

10/531,758

=> d his

(FILE 'HOME' ENTERED AT 14:44:27 ON 18 MAR 2008)

FILE 'REGISTRY' ENTERED AT 14:44:40 ON 18 MAR 2008

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L1          STRUCTURE UPLOADED
L2          50 S L1
L3          STRUCTURE UPLOADED
L4          50 S L3
L5          STRUCTURE UPLOADED
L6          4 S L5
L7          2411 S L3 SSS FUL
L8          83 S L5 FUL SUB=L7
L9          2328 S L7 NOT L8
L10         664 S L9 AND CAPLUS/LC
L11         80 S L8 AND CAPLUS/LC
L12         3 S L8 NOT L11
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FILE 'CAPLUS' ENTERED AT 14:48:21 ON 18 MAR 2008

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L13         5 S L8
L14        121 S L9
L15         3 S L13 AND L14
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FILE 'REGISTRY' ENTERED AT 14:49:44 ON 18 MAR 2008

=> d 115 1-3

YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:n

=> d 112 1-3

10/531,758

L12 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN

RN 921753-61-9 REGISTRY

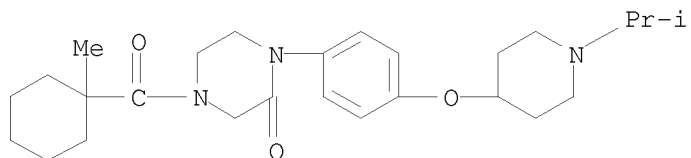
ED Entered STN: 16 Feb 2007

CN 2-Piperazinone, 4-[(1-methylcyclohexyl)carbonyl]-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)

MF C26 H39 N3 O3

CI COM

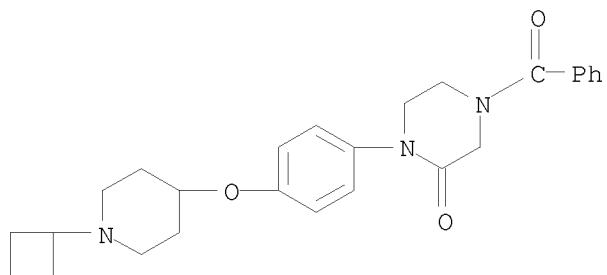
SR CA



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10/531,758

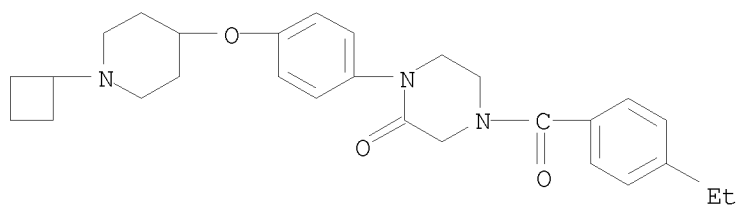
L12 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 921753-60-8 REGISTRY  
ED Entered STN: 16 Feb 2007  
CN 2-Piperazinone, 4-benzoyl-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-  
(CA INDEX NAME)  
MF C26 H31 N3 O3  
CI COM  
SR CA



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10/531,758

L12 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 921753-59-5 REGISTRY  
ED Entered STN: 16 Feb 2007  
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-ethylbenzoyl)- (CA INDEX NAME)  
MF C28 H35 N3 O3  
CI COM  
SR CA



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10/531,758

=> => s l13 or l15

L16                    5 L13 OR L15

=> d ibib abs hitstr total

L16 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1454807 CAPLUS

DOCUMENT NUMBER: 148:78895

TITLE: Preparation of quinoline derivatives as tyrosine kinases inhibitors

INVENTOR(S): Gaudino, John; Boyd, Steven Armen; Marlow, Allison L.; Kaplan, Tomas; Fong, Kin Chiu; Seo, Jeongbeob; Tian, Hongqi; Blake, James; Koch, Kevin

PATENT ASSIGNEE(S): Array Biopharma Inc., USA; Genentech, Inc.

SOURCE: PCT Int. Appl., 189pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

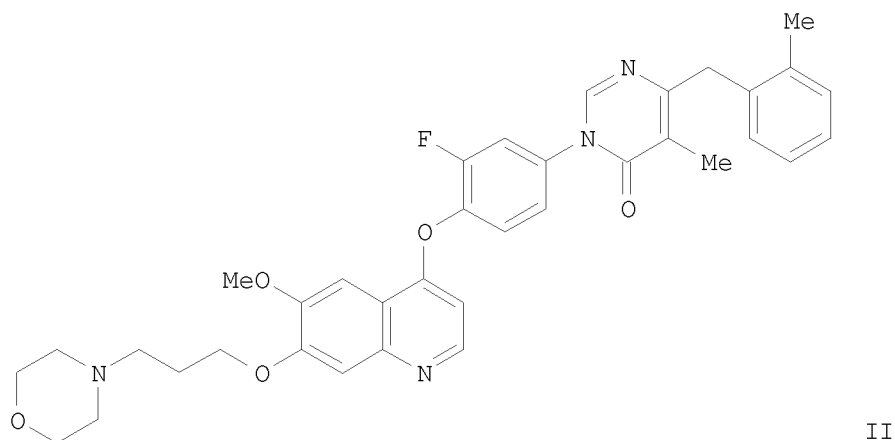
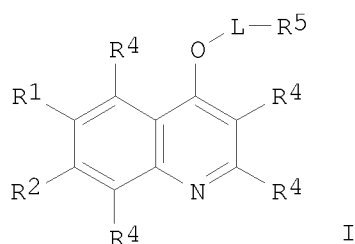
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2007146824	A2	20071221	WO 2007-US70787	20070608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2006-811909P P 20060608

OTHER SOURCE(S): MARPAT 148:78895

GI



AB Title compds. represented by the formula I [wherein R1, R2, R4 = independently H, halo, CN, etc.; with the proviso that at least one of R1 and R2 is not H; L = (un)substituted (hetero)cyclcyl or (hetero)aryl; R5 = -COH, (un)substituted amino, heterocyclcyl, etc.; and stereoisomers, geometric isomers, tautomers, solvates, metabolites, and salts thereof] were prepared as tyrosine kinases inhibitors. For example, II was provided in a multi-step synthesis starting from the reaction of (2-methylbenzyl)zinc chloride with 4,6-dichloro-5-methylpyrimidine. Certain compds. of this invention had MKN45 cell-based activity IC50 values less than 100 nM. Thus, I and their pharmaceutical compns. are useful for inhibiting receptor tyrosine kinases and for treating hyperproliferative disorders mediated thereby.

IT 960298-74-2P, [4-[4-[(6,7-Dimethoxyquinolin-4-yl)oxy]-3-fluorophenyl]piperazin-1-yl] phenyl ketone

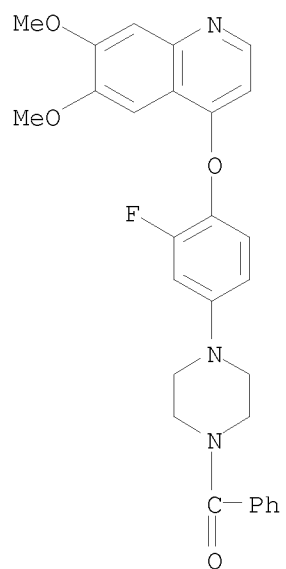
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of quinoline derivs. as tyrosine kinases inhibitors)

RN 960298-74-2 CAPLUS

CN Methanone, [4-[4-[(6,7-dimethoxy-4-quinolinyl)oxy]-3-fluorophenyl]-1-piperazinyl]phenyl- (CA INDEX NAME)

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L16 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1389151 CAPLUS

DOCUMENT NUMBER: 148:215018

TITLE: 4-Acyl-1-(4-aminoalkoxyphenyl)-2-ketopiperazines as a Novel Class of Non-Brain-Penetrant Histamine H3 Receptor Antagonists

AUTHOR(S): Procopiu, Panayiotis A.; Ancliff, Rachael A.; Bamford, Mark J.; Browning, Christopher; Connor, Helen; Davies, Susannah; Fogden, Yvonne C.; Hodgson, Simon T.; Holmes, Duncan S.; Looker, Brian E.; Morriss, Karen M. L.; Parr, Christopher A.; Pickup, Elizabeth A.; Sehmi, Sanjeet S.; White, Gemma V.; Watts, Clarissa J.; Wilson, David M.; Woodrow, Michael D.

CORPORATE SOURCE: Departments of Chemistry, Pharmacology, Drug Metabolism and Pharmacokinetics, GlaxoSmithKline Medicines Research Centre, Stevenage, Hertfordshire, SG1 2NY, UK

SOURCE: Journal of Medicinal Chemistry (2007), 50(26), 6706-6717

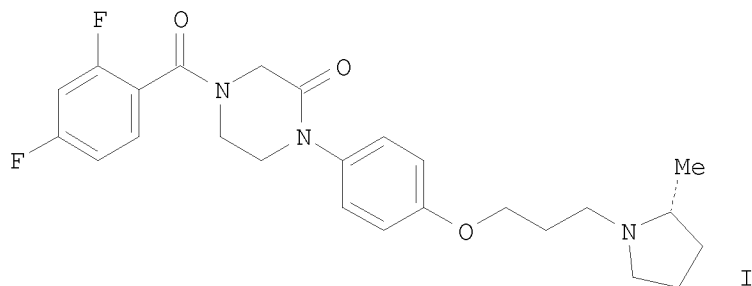
CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB A series of ketopiperazines, e.g., I, were prepared and evaluated for their activity as histamine H3 antagonists. From investigation of the tertiary basic center in the aminopropoxyphenyl template, the 2(R)-methylpyrrolidine was identified as the most potent amine. In the more rigid piperidinoxyphenyl template the N-cyclobutyl group was the most potent amine. The 4-fluorobenzoyl, 4-cyanobenzoyl, and 2,4-difluorobenzoyl groups provided good pharmacokinetic profiles for the various amides. The PSA and log D values of these compds. suggested low brain penetration. The compds. had very high selectivity over other receptors and did not inhibit hepatic cytochrome P 450, indicating low drug-drug interaction potential. I was identified as the best compound of this series based on its overall profile of high potency, selectivity, low brain penetration, lack of CYP450 inhibition, high oral bioavailability, and pharmacokinetic properties.

IT 1005131-79-2P 1005132-12-6P 1005132-14-8P

10/531,758

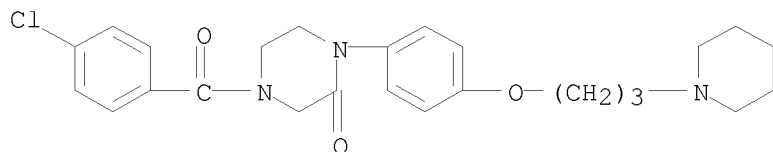
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(calculated PSA; preparation, histamine H3 receptor antagonistic activity,

and

SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 1005131-79-2 CAPLUS

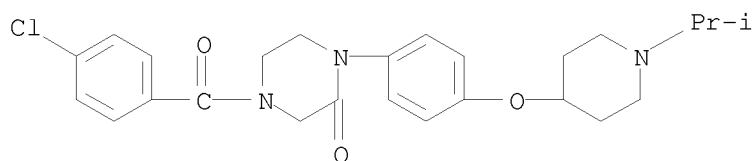
CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005132-12-6 CAPLUS

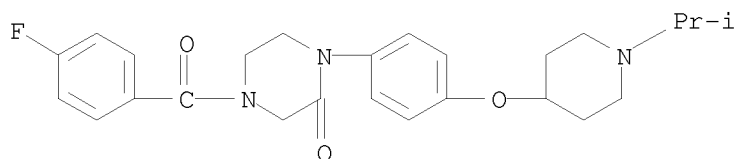
CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005132-14-8 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

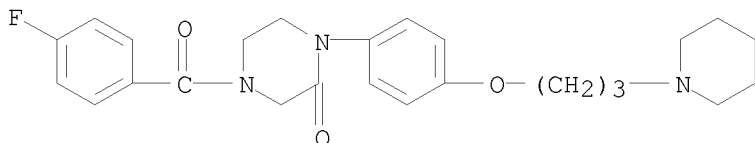
IT 921614-67-7P

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RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (calculated logD and PSA; preparation, histamine H3 receptor antagonistic activity, and SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 921614-67-7 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-(CA INDEX NAME)



IT 921627-29-4P 1005131-80-5P 1005131-93-0P  
1005132-03-5P 1005132-21-7P 1005132-22-8P  
1005132-23-9P

RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (calculated logD and PSA; preparation, histamine H3 receptor antagonistic activity, and SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 921627-29-4 CAPLUS

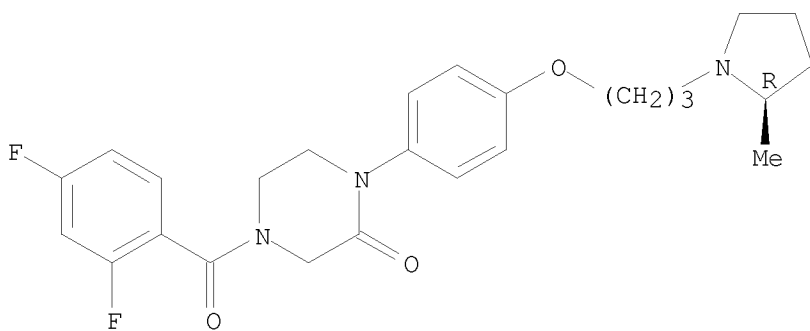
CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921627-28-3

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

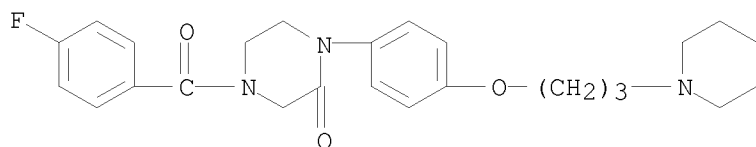
CRN 64-18-6

CMF C H2 O2

10/531,758

O=CH-OH

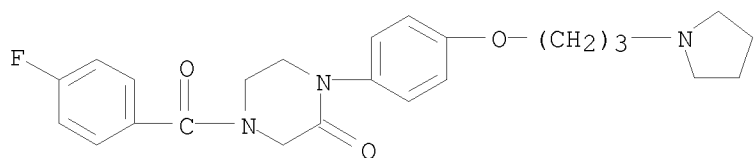
RN 1005131-80-5 CAPLUS  
CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)  
CM 1  
CRN 921614-67-7  
CMF C25 H30 F N3 O3



CM 2  
CRN 64-18-6  
CMF C H2 O2

O=CH-OH

RN 1005131-93-0 CAPLUS  
CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)  
CM 1  
CRN 921614-73-5  
CMF C24 H28 F N3 O3



CM 2  
CRN 64-18-6  
CMF C H2 O2

O=CH-OH

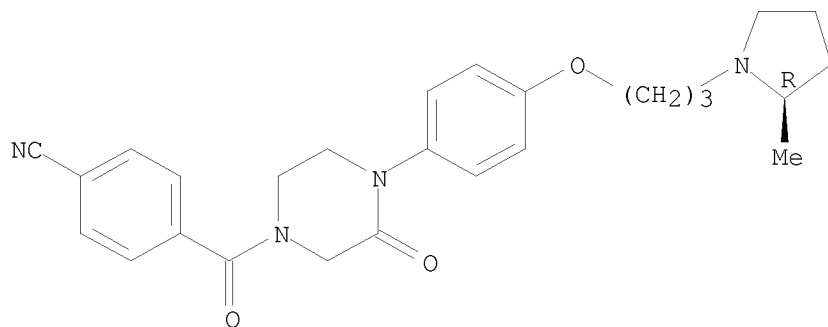
10/531,758

RN 1005132-03-5 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-80-7  
CMF C26 H30 N4 O3

Absolute stereochemistry.

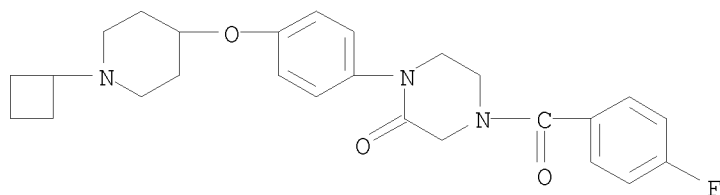


CM 2

CRN 64-18-6  
CMF C H2 O2

O=CH-OH

RN 1005132-21-7 CAPLUS  
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)-, hydrochloride (1:1) (CA INDEX NAME)



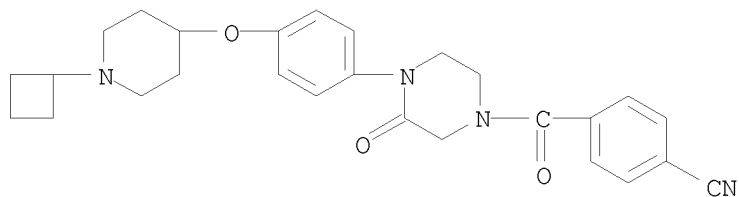
● HCl

RN 1005132-22-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

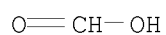
10/531,758

CRN 921614-79-1  
CMF C27 H30 N4 O3



CM 2

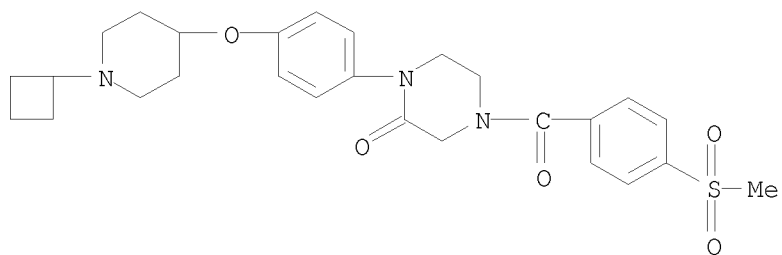
CRN 64-18-6  
CMF C H2 O2



RN 1005132-23-9 CAPLUS  
CN Formic acid, compd. with 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]-2-piperazinone (1:1) (CA INDEX NAME)

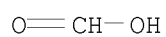
CM 1

CRN 921614-86-0  
CMF C27 H33 N3 O5 S



CM 2

CRN 64-18-6  
CMF C H2 O2



IT 921614-38-2P 921614-91-7P 921615-03-4P  
921615-04-5P 921627-31-8P 1005131-77-0P

10/531,758

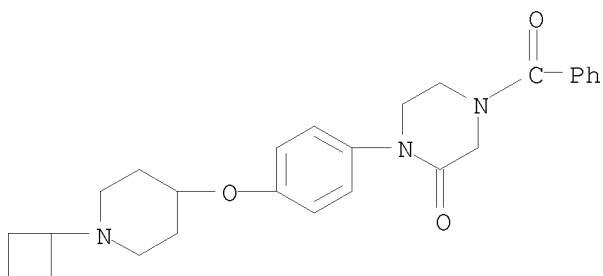
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1005131-85-0P 1005131-87-2P 1005131-88-3P  
1005131-94-1P 1005131-98-5P 1005131-99-6P  
1005132-00-2P 1005132-01-3P 1005132-02-4P  
1005132-05-7P 1005132-07-9P 1005132-08-0P  
1005132-11-5P 1005132-15-9P 1005132-16-0P  
1005132-18-2P 1005132-19-3P 1005132-20-6P  
1005132-26-2P 1005132-28-4P 1005132-29-5P  
1005132-30-8P 1005132-31-9P 1005132-32-0P  
1005132-33-1P 1005132-34-2P 1005132-36-4P  
1005132-38-6P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(calculated logD and PSA; preparation, histamine H3 receptor antagonistic activity, and SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 921614-38-2 CAPLUS

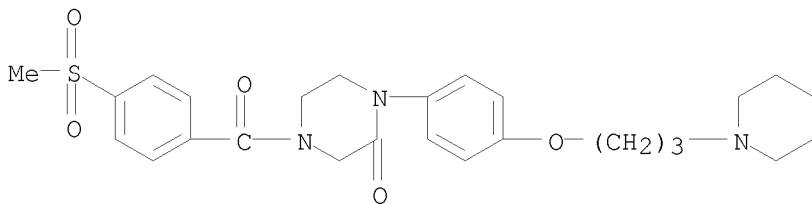
CN 2-Piperazinone, 4-benzoyl-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 921614-91-7 CAPLUS

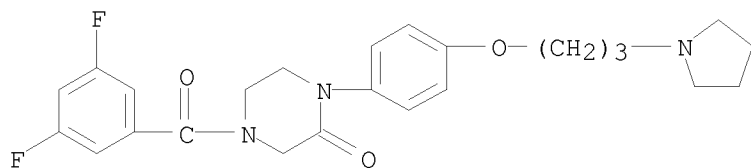
CN 2-Piperazinone, 4-[4-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-03-4 CAPLUS

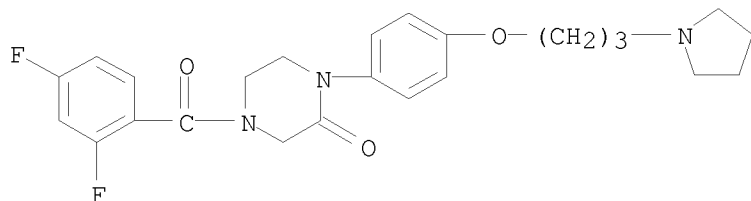
CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)

10/531,758



RN 921615-04-5 CAPLUS

CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921627-31-8 CAPLUS

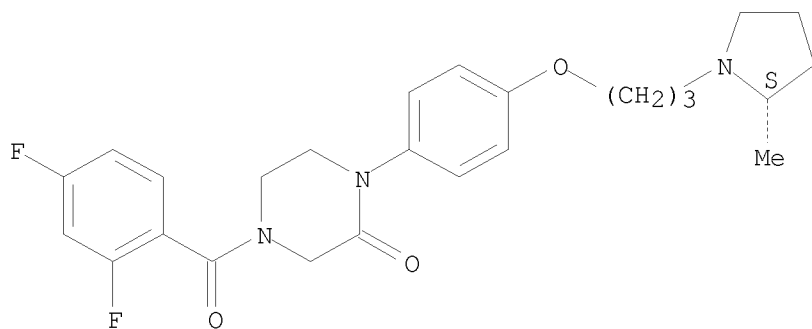
CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-85-2

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

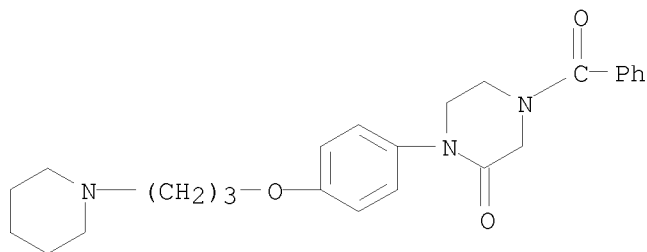
CMF C H2 O2

O=CH-OH

10/531,758

RN 1005131-77-0 CAPLUS

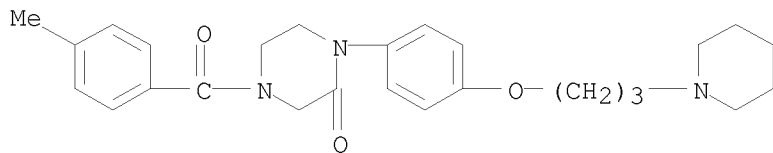
CN 2-Piperazinone, 4-benzoyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005131-78-1 CAPLUS

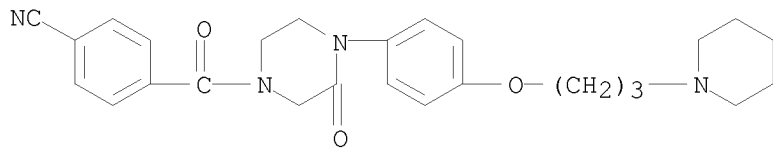
CN 2-Piperazinone, 4-(4-methylbenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005131-81-6 CAPLUS

CN Benzonitrile, 4-[[3-oxo-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005131-84-9 CAPLUS

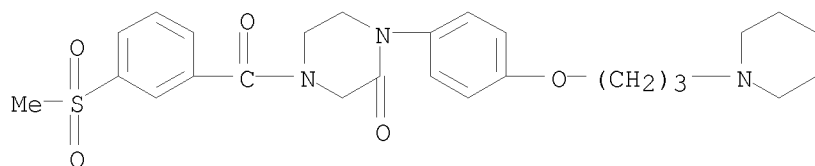
CN Formic acid, compd. with 4-[3-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

10/531,758

CM 1

CRN 921616-04-8

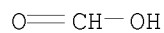
CMF C26 H33 N3 O5 S



CM 2

CRN 64-18-6

CMF C H2 O2



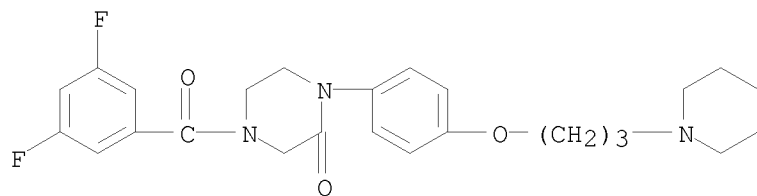
RN 1005131-85-0 CAPLUS

CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-07-8

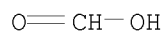
CMF C25 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2



RN 1005131-87-2 CAPLUS

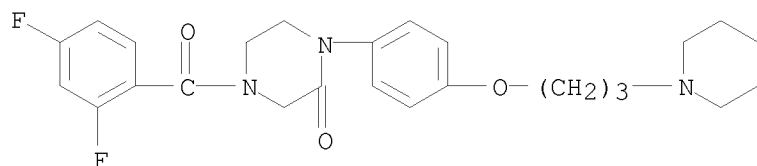
CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

10/531,758

CM 1

CRN 921615-08-9

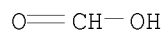
CMF C25 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2



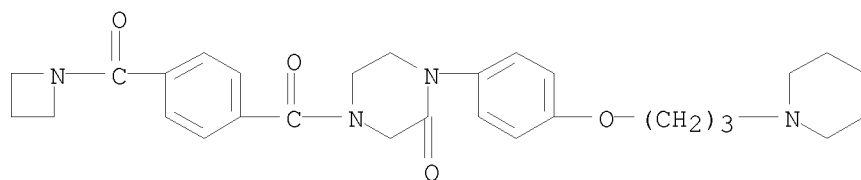
RN 1005131-88-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-97-6

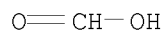
CMF C29 H36 N4 O4



CM 2

CRN 64-18-6

CMF C H2 O2



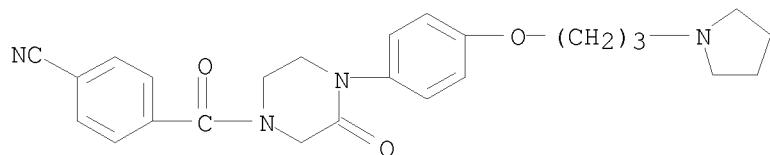
RN 1005131-94-1 CAPLUS

CN Formic acid, compd. with 4-[[[3-oxo-4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzonitrile (1:1) (CA INDEX NAME)

CM 1

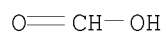
10/531,758

CRN 921616-23-1  
CMF C25 H28 N4 O3



CM 2

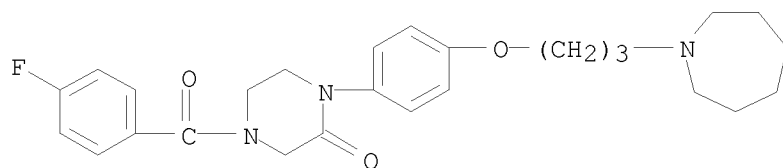
CRN 64-18-6  
CMF C H2 O2



RN 1005131-98-5 CAPLUS  
CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

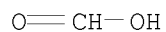
CM 1

CRN 921614-75-7  
CMF C26 H32 F N3 O3



CM 2

CRN 64-18-6  
CMF C H2 O2



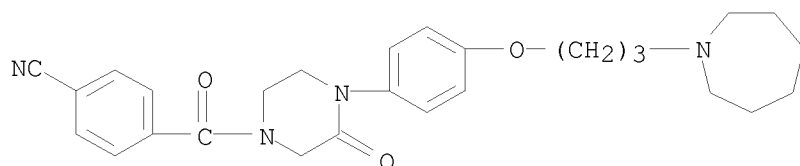
RN 1005131-99-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-43-2

10/531,758

CMF C27 H32 N4 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

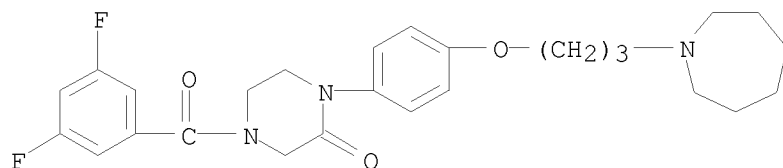
RN 1005132-00-2 CAPLUS

CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-38-5

CMF C26 H31 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-01-3 CAPLUS

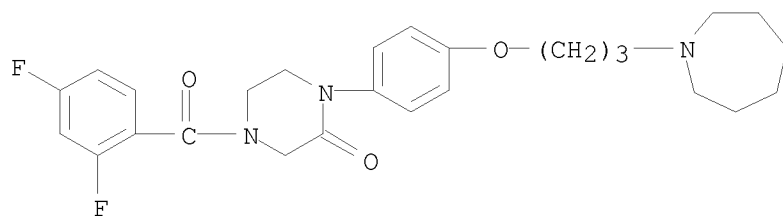
CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-37-4

CMF C26 H31 F2 N3 O3

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-02-4 CAPLUS

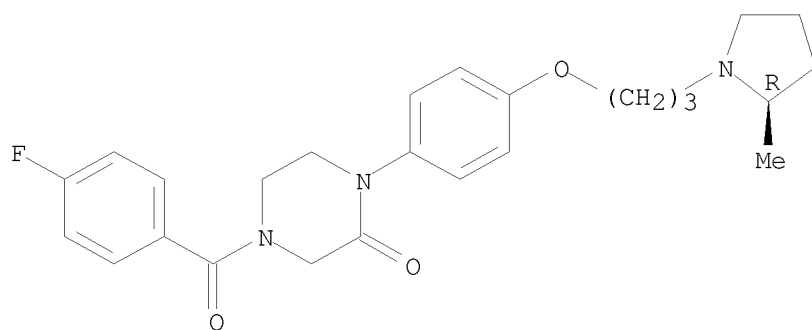
CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-95-4

CMF C25 H30 F N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

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RN 1005132-05-7 CAPLUS

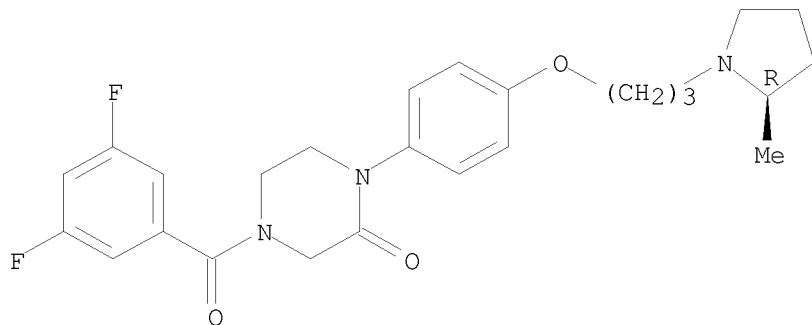
CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-94-3

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-07-9 CAPLUS

CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

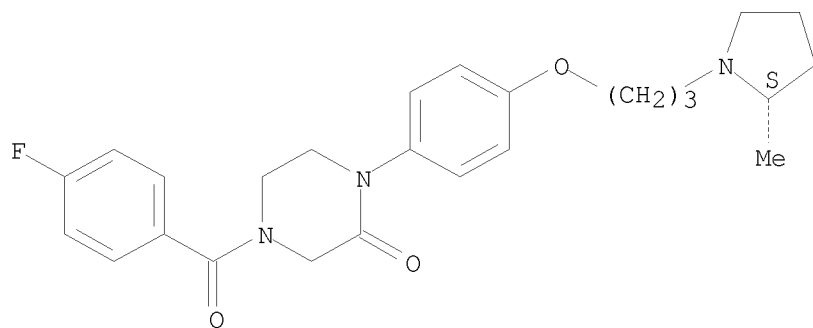
CM 1

CRN 921615-88-5

CMF C25 H30 F N3 O3

Absolute stereochemistry.

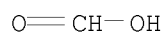
10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2



RN 1005132-08-0 CAPLUS

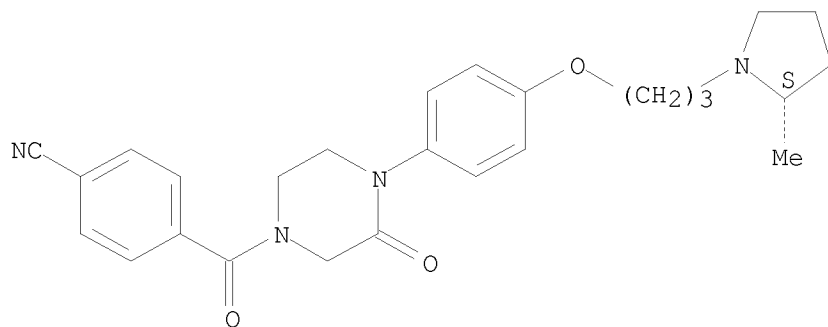
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-90-9

CMF C26 H30 N4 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

10/531,758

O=CH-OH

RN 1005132-11-5 CAPLUS

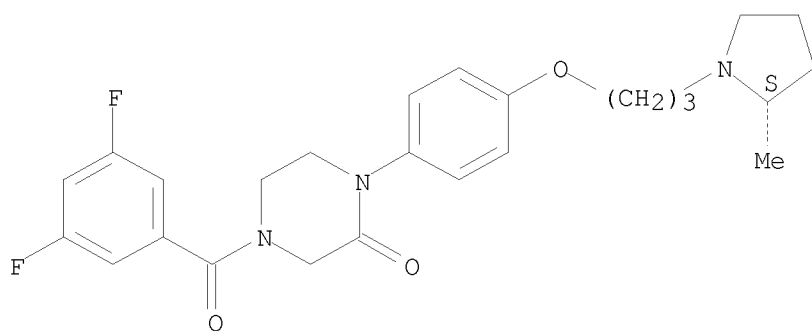
CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-86-3

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

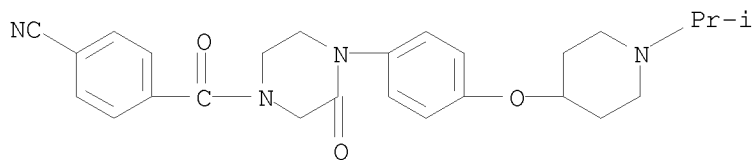
RN 1005132-15-9 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-18-1

CMF C26 H30 N4 O3



10/531,758

CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

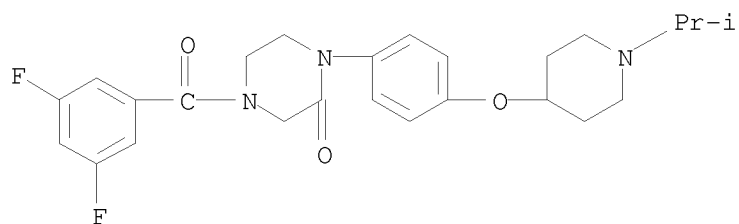
RN 1005132-16-0 CAPLUS

CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-10-3

CMF C25 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

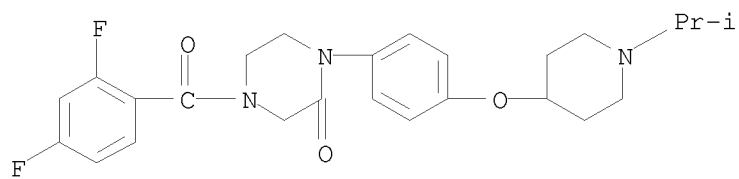
RN 1005132-18-2 CAPLUS

CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-09-0

CMF C25 H29 F2 N3 O3



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CM 2

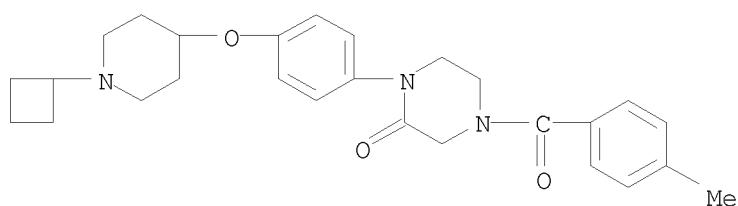
CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-19-3 CAPLUS

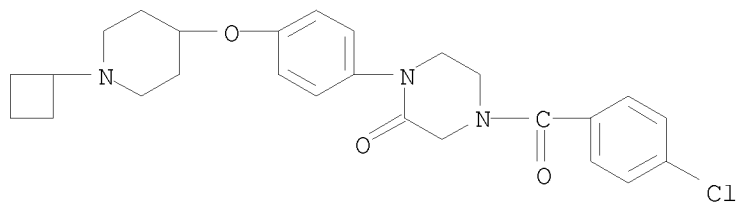
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-methylbenzoyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005132-20-6 CAPLUS

CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005132-26-2 CAPLUS

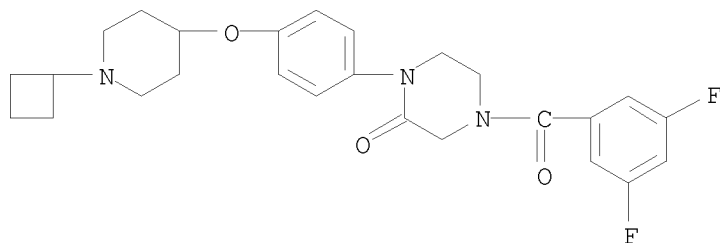
CN Formic acid, compd. with 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(3,5-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-16-9

CMF C26 H29 F2 N3 O3

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

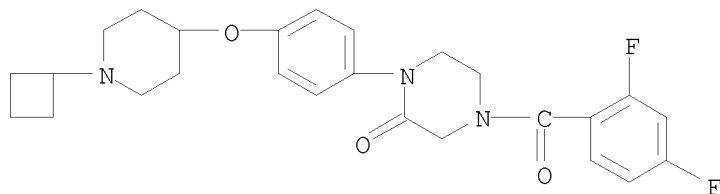
RN 1005132-28-4 CAPLUS

CN Formic acid, compd. with 1-[4-[(1-cyclobutyl-4-piperidinyloxy)phenyl]-4-(2,4-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921614-81-5

CMF C26 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-29-5 CAPLUS

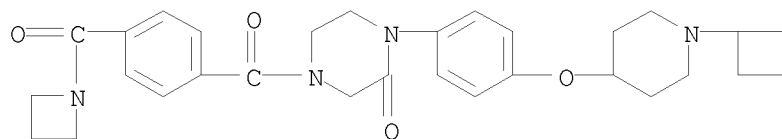
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-25-0

10/531,758

CMF C30 H36 N4 O4



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

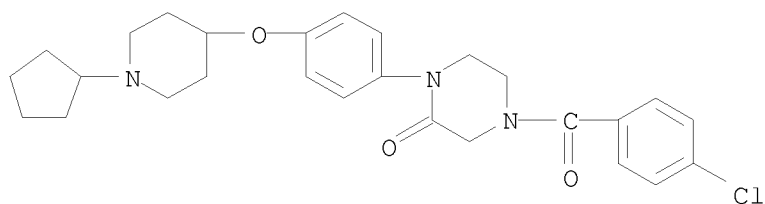
RN 1005132-30-8 CAPLUS

CN Formic acid, compd. with 4-(4-chlorobenzoyl)-1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-51-2

CMF C27 H32 Cl N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-31-9 CAPLUS

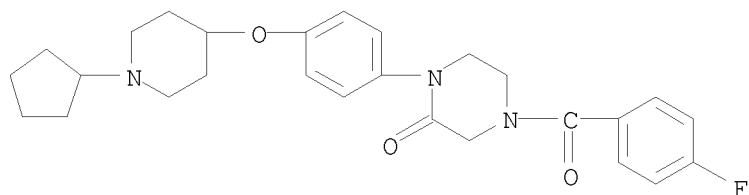
CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-28-3

CMF C27 H32 F N3 O3

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

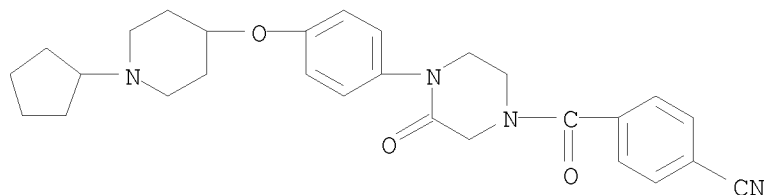
RN 1005132-32-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-23-8

CMF C28 H32 N4 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-33-1 CAPLUS

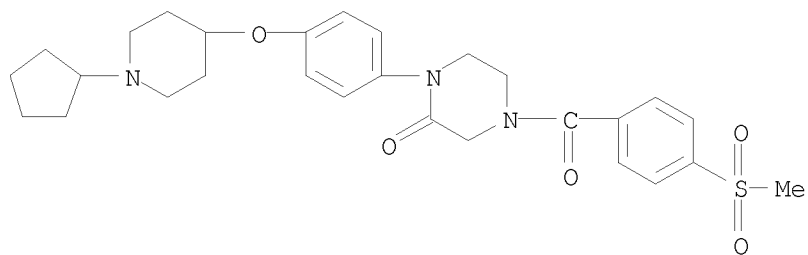
CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-[4-(methylsulfonyl)benzoyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-33-0

CMF C28 H35 N3 O5 S

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

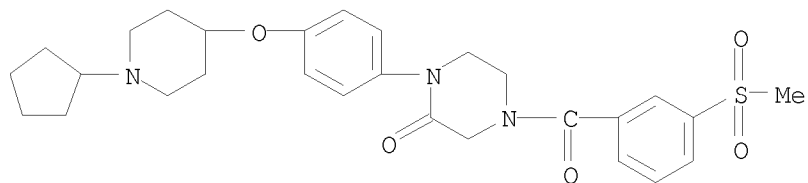
RN 1005132-34-2 CAPLUS

CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921616-45-7

CMF C28 H35 N3 O5 S



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

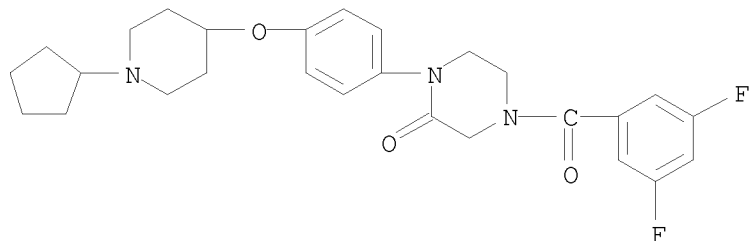
RN 1005132-36-4 CAPLUS

CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-(3,5-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

10/531,758

CRN 921615-32-9  
CMF C27 H31 F2 N3 O3



CM 2

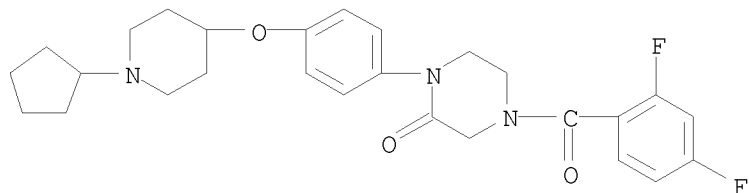
CRN 64-18-6  
CMF C H2 O2

O=CH-OH

RN 1005132-38-6 CAPLUS  
CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-(2,4-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-30-7  
CMF C27 H31 F2 N3 O3



CM 2

CRN 64-18-6  
CMF C H2 O2

O=CH-OH

REFERENCE COUNT: 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/531,758

L16 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:88171 CAPLUS

DOCUMENT NUMBER: 146:184494

TITLE: Preparation of piperazinone derivatives as histamine H3 receptor antagonists and/or inverse agonists

INVENTOR(S): Ancliff, Rachael Ann; Bamford, Mark James; Hodgson, Simon Teanby; Parr, Christopher Allan; Procopiou, Panayiotis Alexandrou; Wilson, David Matthew; Woodrow, Michael

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 77pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007009741	A1	20070125	WO 2006-EP7036	20060717
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

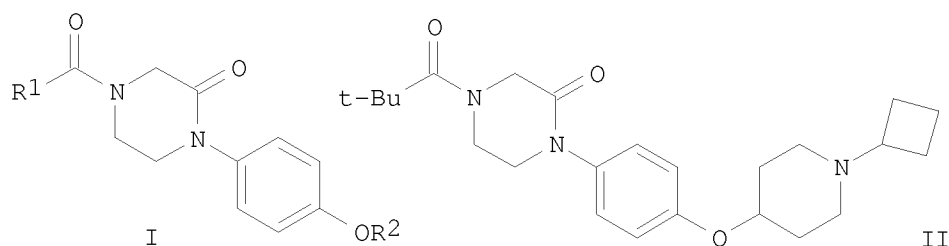
PRIORITY APPLN. INFO.:

GB 2005-14812

A 20050719

OTHER SOURCE(S): MARPAT 146:184494

GI



AB The title compds. I [wherein R1 = alkyl, alkoxy, aryl, etc.; R2 = (un)substituted aminoalkyl, heterocyclalkyl, etc.; with a proviso] or salts or solvates thereof are prepared for the treatment of various disorders, such as allergic rhinitis. For example, the compound II•HCl was prepared in a multi-step synthesis. Most of compds. I showed pKi (pKb) of >8.0  $\mu$ M and <6.0  $\mu$ M against human H3 and H1 receptors, resp.

IT 921614-37-1P 921614-38-2P 921614-40-6P

921614-41-7P 921614-42-8P 921614-43-9P

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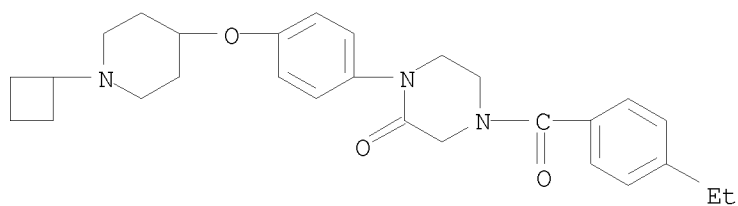
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(drug candidate; preparation of piperazinone derivs. as histamine H3  
 receptor antagonists and/or inverse agonists)

RN 921614-37-1 CAPLUS

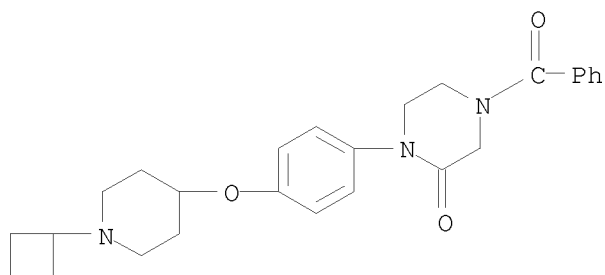
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-  
 ethylbenzoyl)-, hydrochloride (1:1) (CA INDEX NAME)

10/531,758



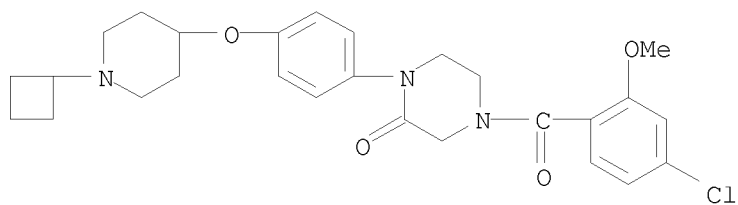
● HCl

RN 921614-38-2 CAPLUS  
CN 2-Piperazinone, 4-benzoyl-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



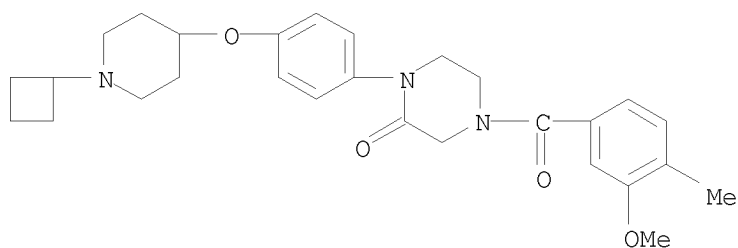
● HCl

RN 921614-40-6 CAPLUS  
CN 2-Piperazinone, 4-(4-chloro-2-methoxybenzoyl)-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



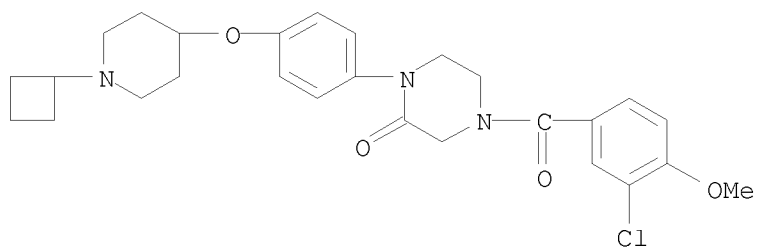
RN 921614-41-7 CAPLUS  
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(3-methoxy-4-methylbenzoyl)- (CA INDEX NAME)

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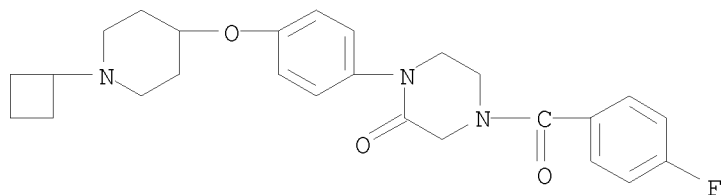
RN 921614-42-8 CAPLUS

CN 2-Piperazinone, 4-(3-chloro-4-methoxybenzoyl)-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



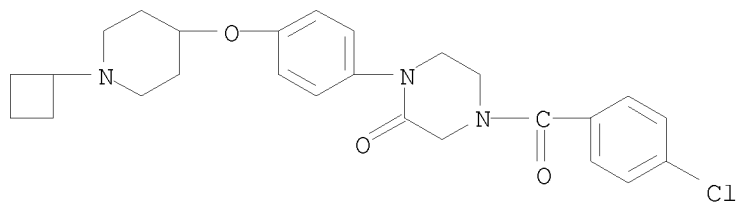
RN 921614-43-9 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-chlorobenzoyl)- (CA INDEX NAME)



RN 921614-44-0 CAPLUS

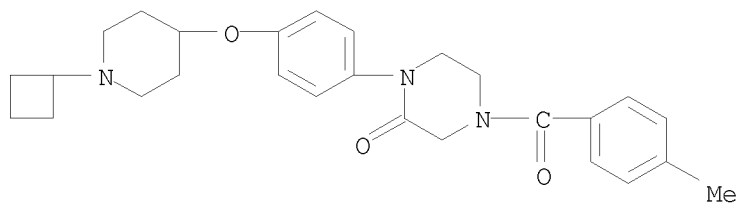
CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



RN 921614-45-1 CAPLUS

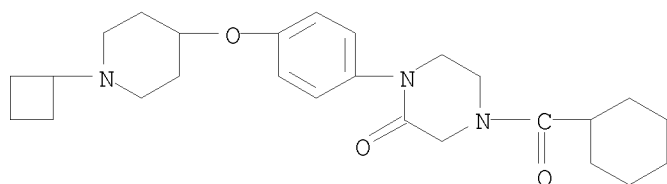
10/531,758

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-methylbenzoyl)- (CA INDEX NAME)



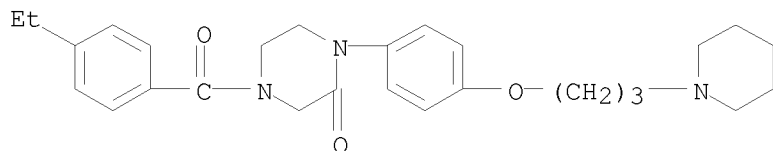
RN 921614-46-2 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(cyclohexylcarbonyl)- (CA INDEX NAME)



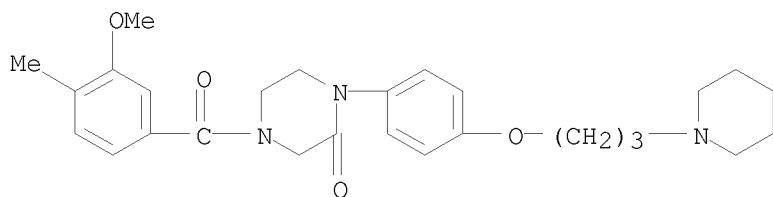
RN 921614-49-5 CAPLUS

CN 2-Piperazinone, 4-(4-ethylbenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921614-50-8 CAPLUS

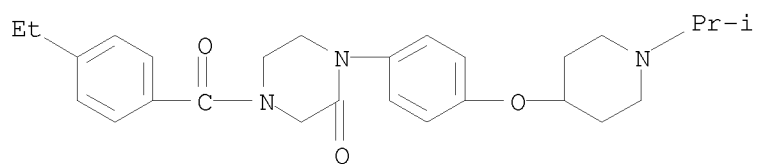
CN 2-Piperazinone, 4-(3-methoxy-4-methylbenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921614-52-0 CAPLUS

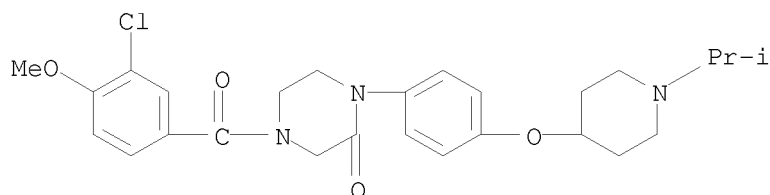
CN 2-Piperazinone, 4-(4-ethylbenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)

10/531,758



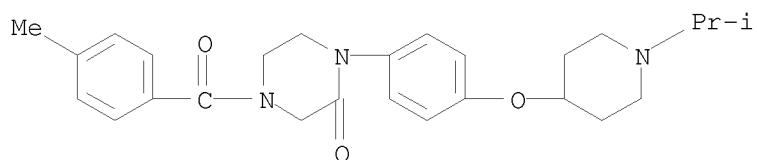
RN 921614-54-2 CAPLUS

CN 2-Piperazinone, 4-(3-chloro-4-methoxybenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



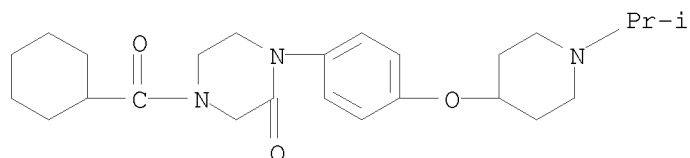
RN 921614-55-3 CAPLUS

CN 2-Piperazinone, 4-(4-methylbenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



RN 921614-57-5 CAPLUS

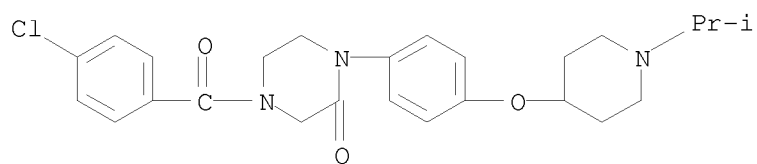
CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



RN 921614-58-6 CAPLUS

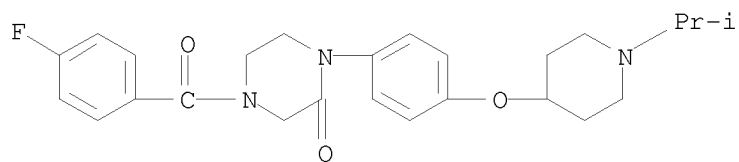
CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)

10/531,758



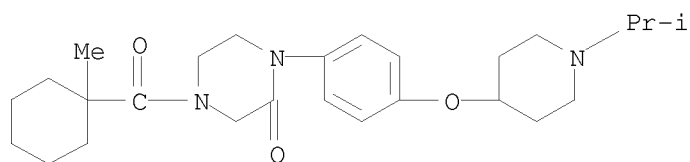
RN 921614-59-7 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



RN 921614-60-0 CAPLUS

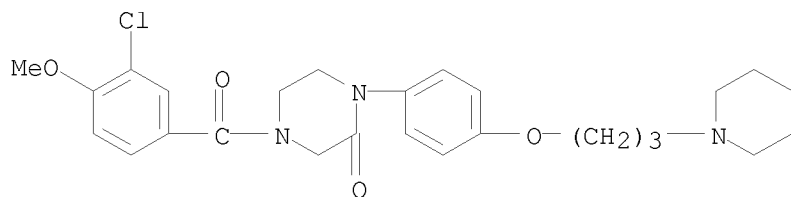
CN 2-Piperazinone, 4-[(1-methylcyclohexyl)carbonyl]-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 921614-62-2 CAPLUS

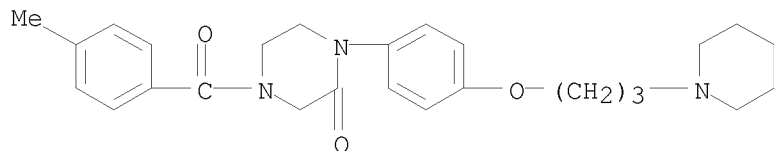
CN 2-Piperazinone, 4-(3-chloro-4-methoxybenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921614-63-3 CAPLUS

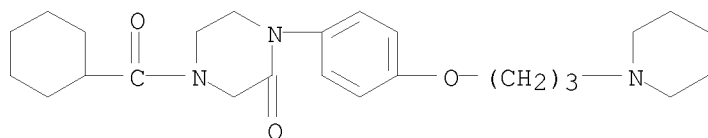
CN 2-Piperazinone, 4-(4-methylbenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

10/531,758



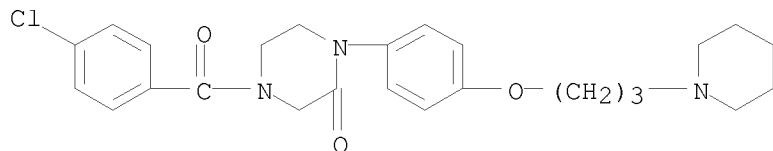
RN 921614-64-4 CAPLUS

CN 2-Piperazinone, 4-(cyclohexylcarbonyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



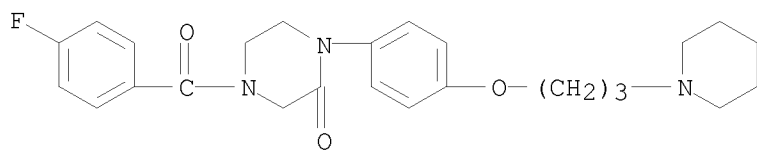
RN 921614-65-5 CAPLUS

CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



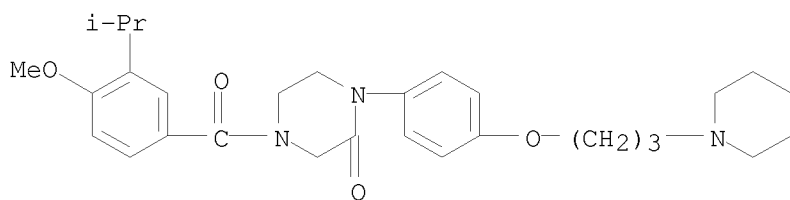
RN 921614-67-7 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921614-70-2 CAPLUS

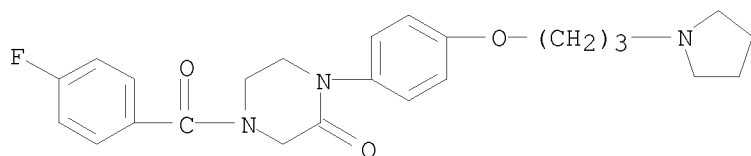
CN 2-Piperazinone, 4-[4-methoxy-3-(1-methylethyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



10/531,758

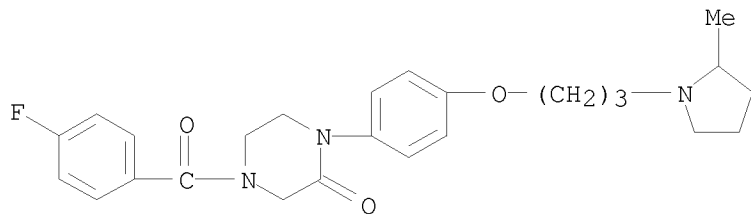
RN 921614-73-5 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



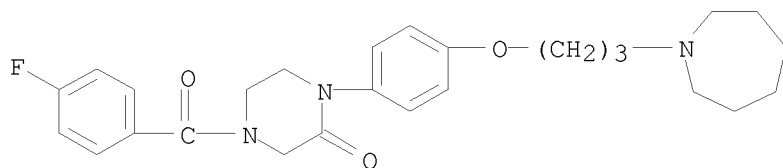
RN 921614-74-6 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



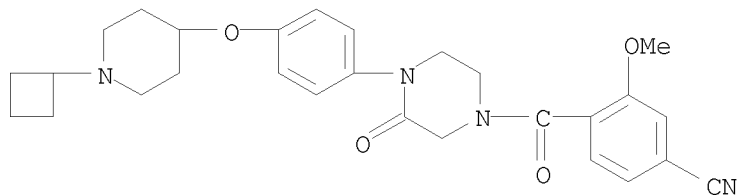
RN 921614-75-7 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (CA INDEX NAME)



RN 921614-76-8 CAPLUS

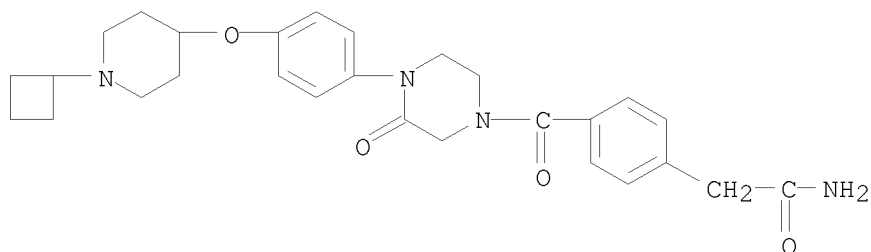
CN Benzonitrile, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyloxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]-3-methoxy- (CA INDEX NAME)



RN 921614-78-0 CAPLUS

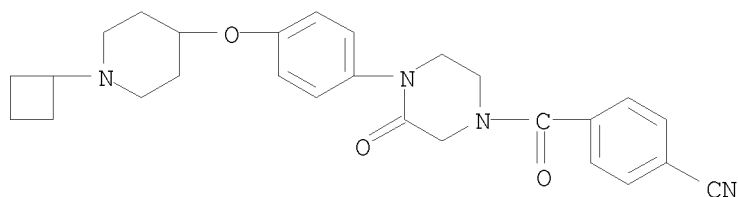
10/531,758

CN Benzeneacetamide, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



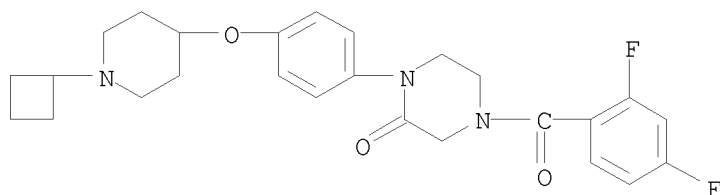
RN 921614-79-1 CAPLUS

CN Benzonitrile, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 921614-81-5 CAPLUS

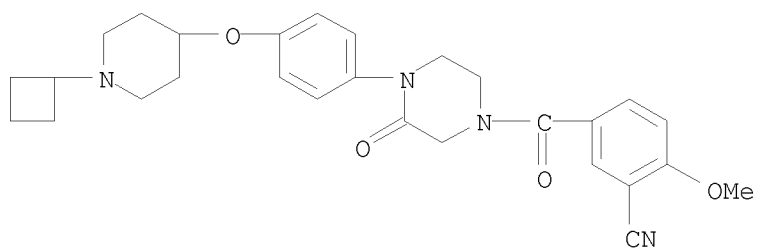
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(2,4-difluorobenzoyl)- (CA INDEX NAME)



RN 921614-83-7 CAPLUS

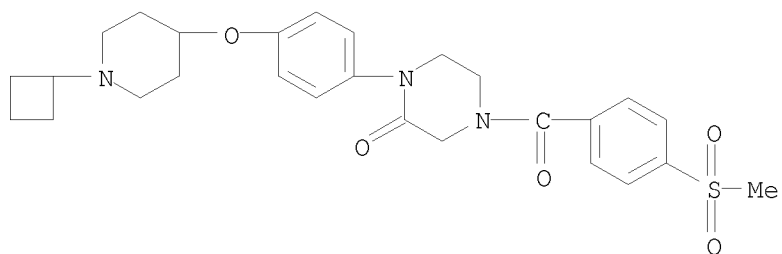
CN Benzonitrile, 5-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]-2-methoxy- (CA INDEX NAME)

10/531,758



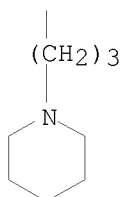
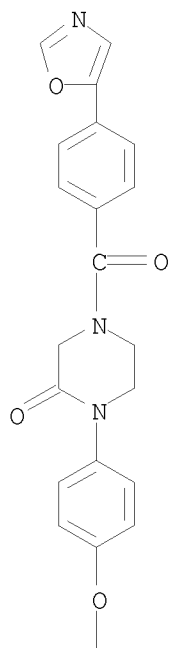
RN 921614-86-0 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(methanesulfonyl)benzoyl]- (CA INDEX NAME)



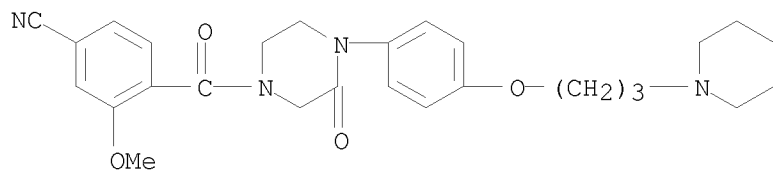
RN 921614-89-3 CAPLUS

CN 2-Piperazinone, 4-[4-(5-oxazolyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921614-90-6 CAPLUS

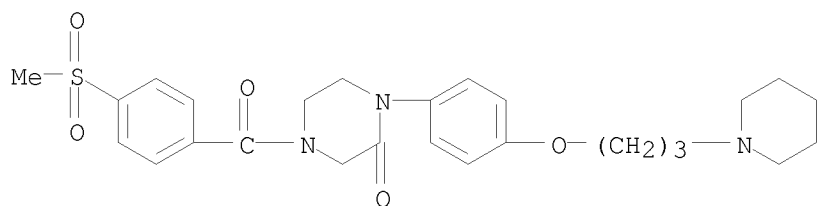
CN Benzonitrile, 3-methoxy-4-[[3-oxo-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 921614-91-7 CAPLUS

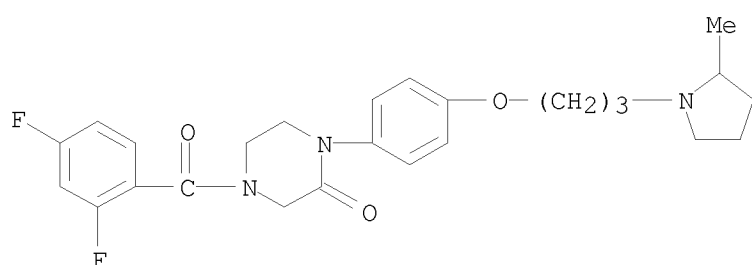
CN 2-Piperazinone, 4-[4-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

10/531,758



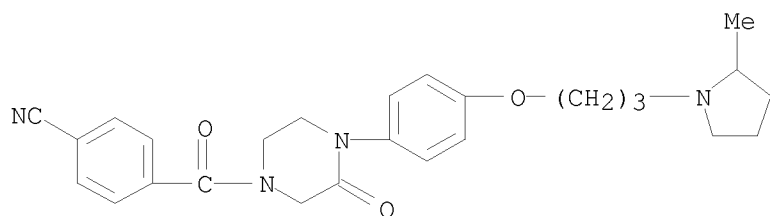
RN 921614-94-0 CAPLUS

CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



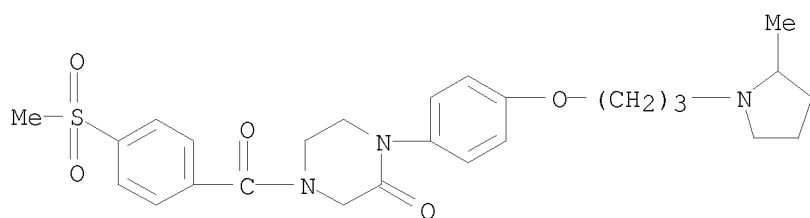
RN 921614-95-1 CAPLUS

CN Benzonitrile, 4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 921614-96-2 CAPLUS

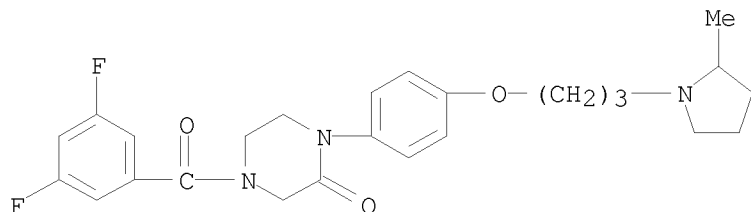
CN 2-Piperazinone, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



RN 921614-98-4 CAPLUS

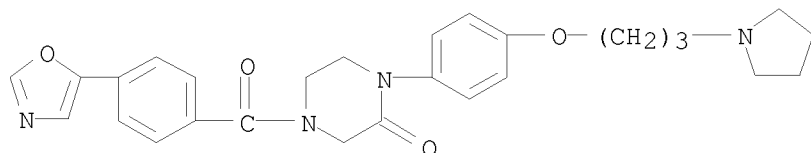
10/531,758

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



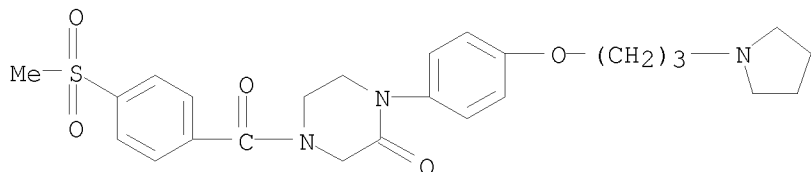
RN 921615-01-2 CAPLUS

CN 2-Piperazinone, 4-[4-(5-oxazolyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



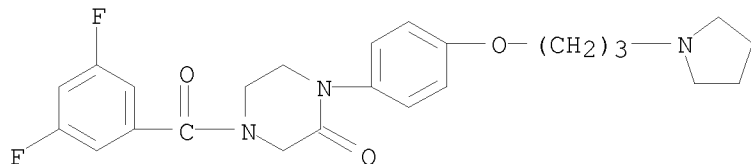
RN 921615-02-3 CAPLUS

CN 2-Piperazinone, 4-[4-(methylsulfonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-03-4 CAPLUS

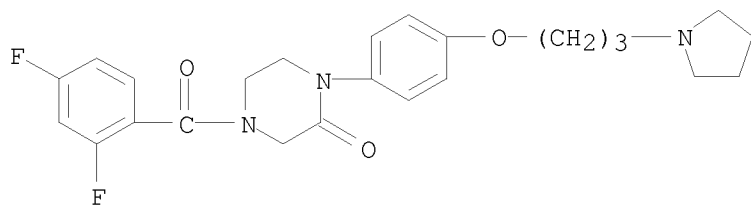
CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-04-5 CAPLUS

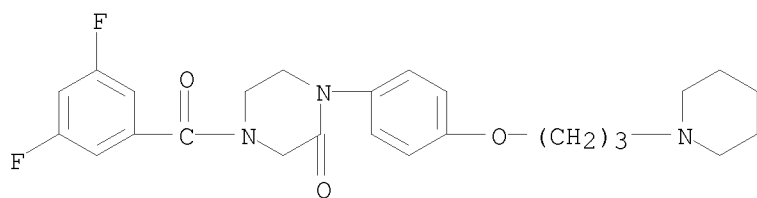
CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)

10/531,758



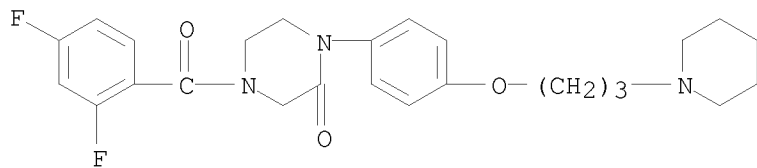
RN 921615-07-8 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



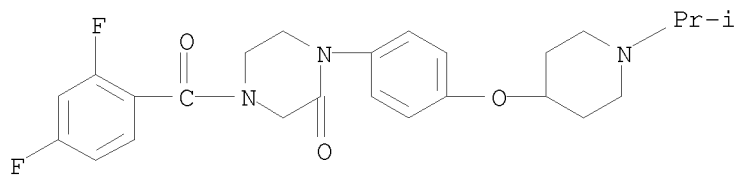
RN 921615-08-9 CAPLUS

CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-09-0 CAPLUS

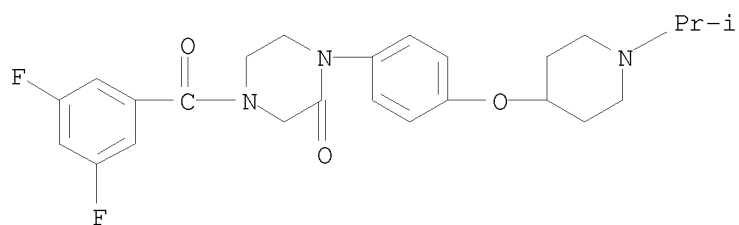
CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



RN 921615-10-3 CAPLUS

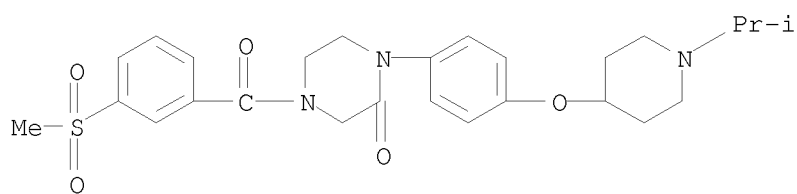
CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)

10/531,758



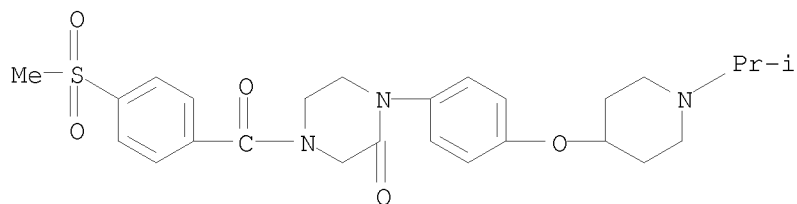
RN 921615-11-4 CAPLUS

CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



RN 921615-12-5 CAPLUS

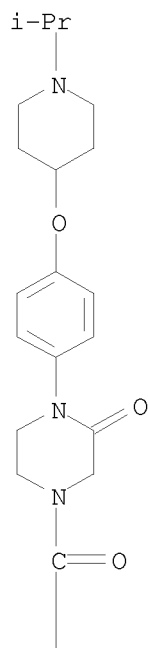
CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



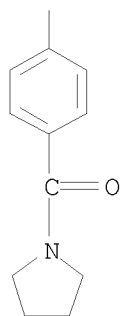
RN 921615-13-6 CAPLUS

CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)

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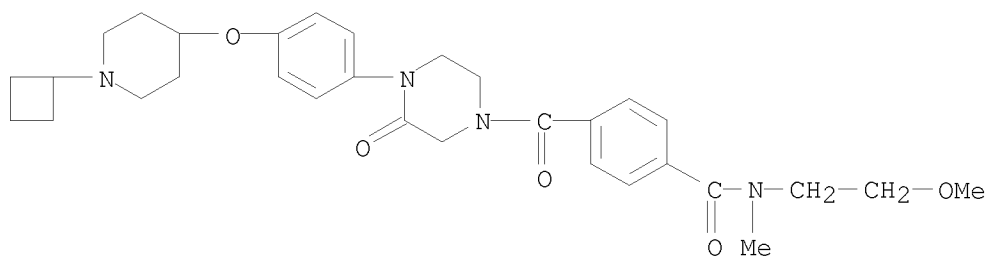
PAGE 2-A



RN 921615-14-7 CAPLUS

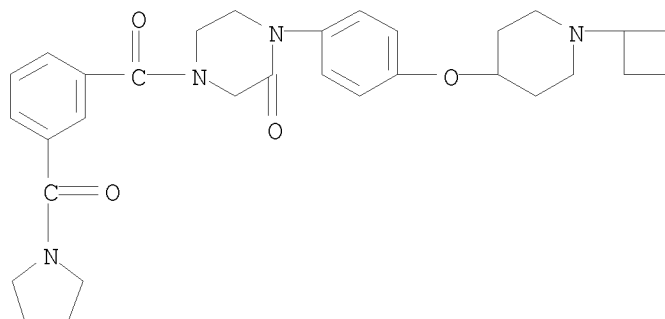
CN Benzamide, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]-N-(2-methoxyethyl)-N-methyl- (CA INDEX NAME)

10/531,758



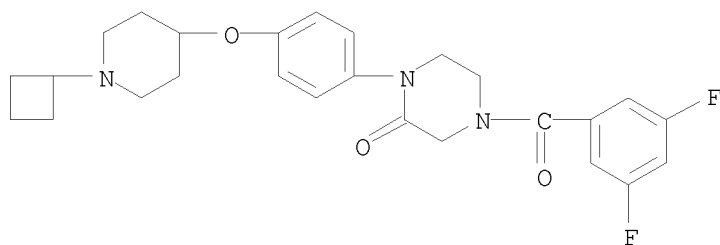
RN 921615-15-8 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



RN 921615-16-9 CAPLUS

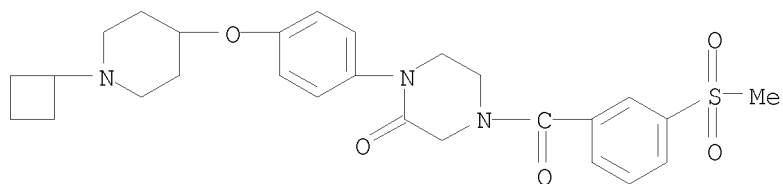
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(3,5-difluorobenzoyl)- (CA INDEX NAME)



RN 921615-17-0 CAPLUS

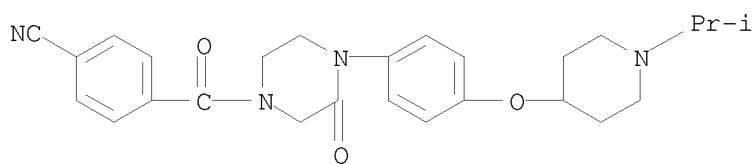
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]- (CA INDEX NAME)

10/531,758



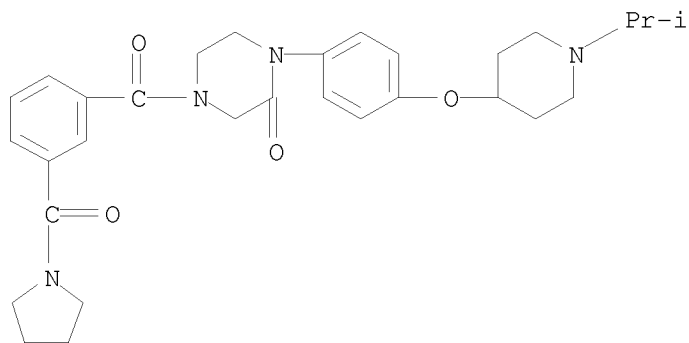
RN 921615-18-1 CAPLUS

CN Benzonitrile, 4-[[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



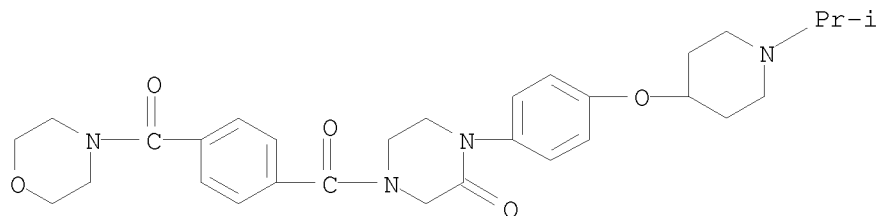
RN 921615-20-5 CAPLUS

CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



RN 921615-21-6 CAPLUS

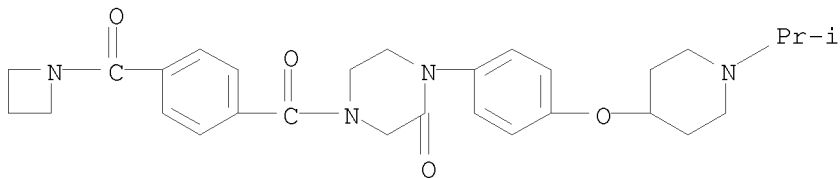
CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(4-morpholinylcarbonyl)benzoyl]- (CA INDEX NAME)



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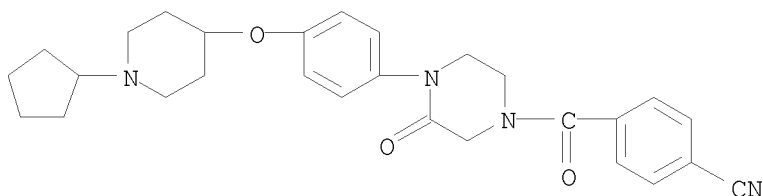
RN 921615-22-7 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidiny carbonyl)benzoyl]-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



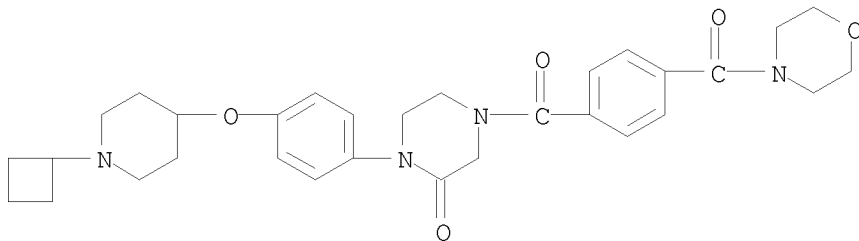
RN 921615-23-8 CAPLUS

CN Benzonitrile, 4-[[4-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



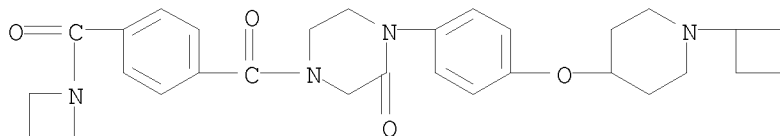
RN 921615-24-9 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(4-morpholinylcarbonyl)benzoyl]- (CA INDEX NAME)



RN 921615-25-0 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidiny carbonyl)benzoyl]-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



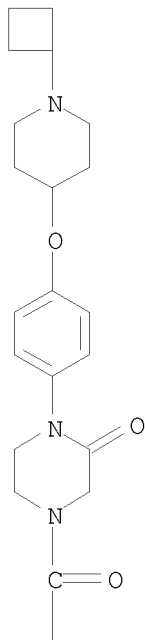
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CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(1-

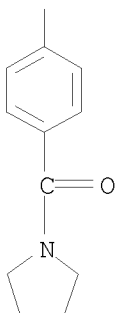
10/531,758

pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)

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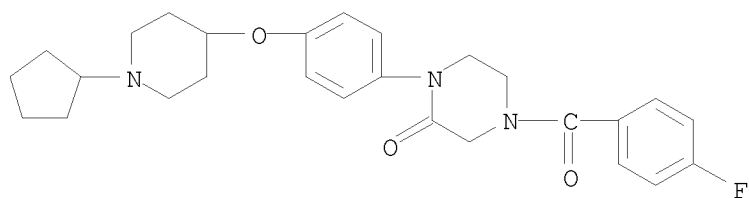
PAGE 2-A



RN 921615-28-3 CAPLUS

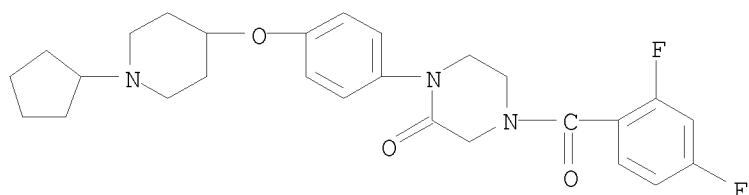
CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-(4-fluorobenzoyl)- (CA INDEX NAME)

10/531,758



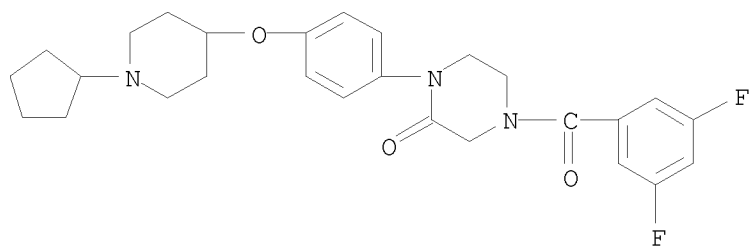
RN 921615-30-7 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-(2,4-difluorobenzoyl)- (CA INDEX NAME)



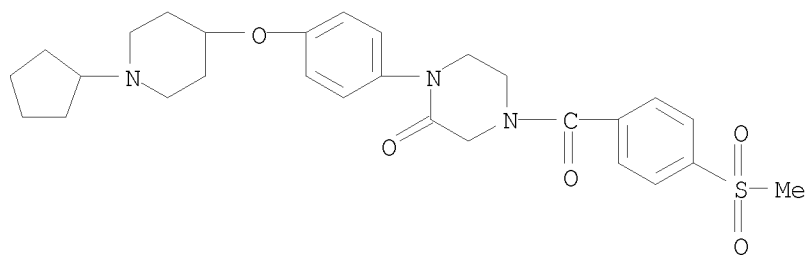
RN 921615-32-9 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-(3,5-difluorobenzoyl)- (CA INDEX NAME)



RN 921615-33-0 CAPLUS

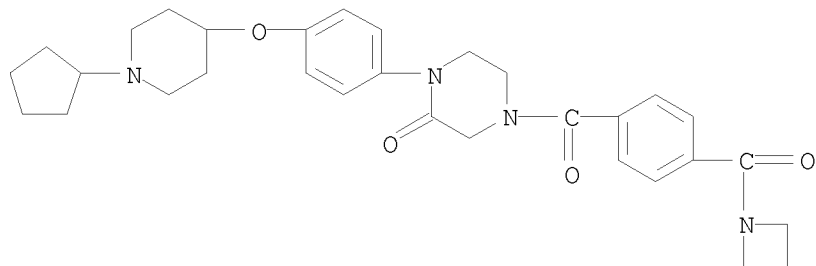
CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



RN 921615-35-2 CAPLUS

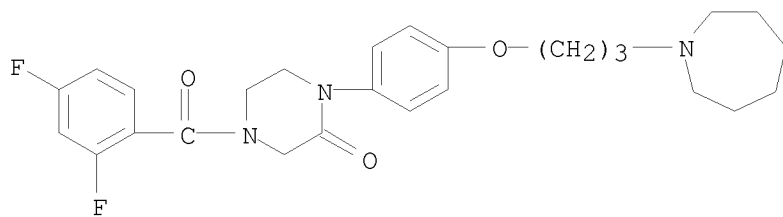
10/531,758

CN 2-Piperazinone, 4-[4-(1-azetidinyldicarbonyl)benzoyl]-1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



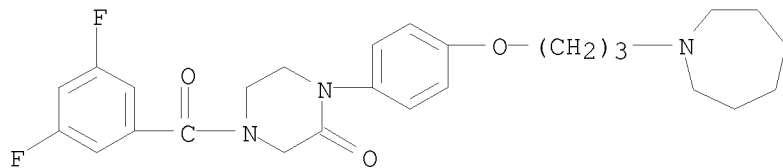
RN 921615-37-4 CAPLUS

CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (CA INDEX NAME)



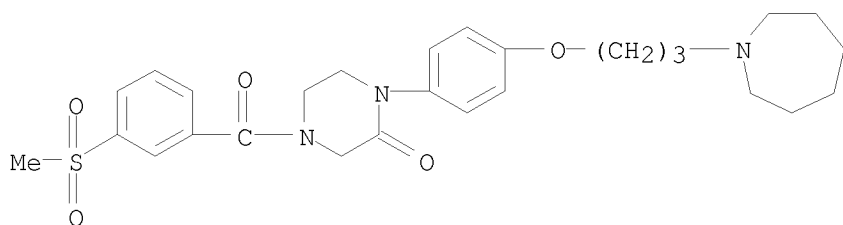
RN 921615-38-5 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (CA INDEX NAME)



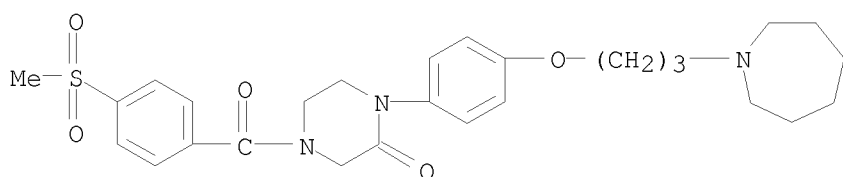
RN 921615-40-9 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



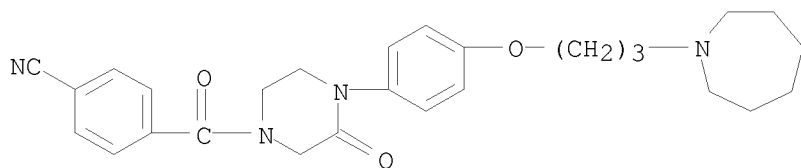
RN 921615-41-0 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



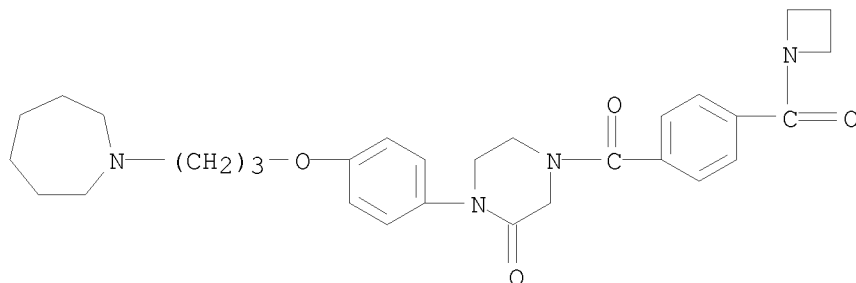
RN 921615-43-2 CAPLUS

CN Benzonitrile, 4-[[4-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 921615-45-4 CAPLUS

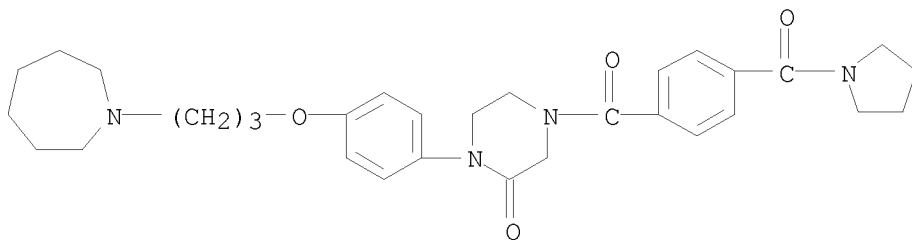
CN 2-Piperazinone, 4-[4-(1-azetidiny carbonyl)benzoyl]-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-47-6 CAPLUS

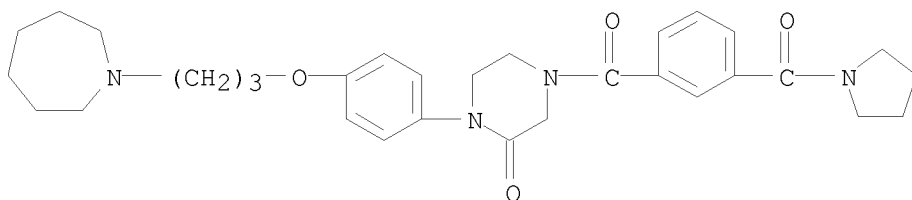
CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[4-(1-pyrrolidiny carbonyl)benzoyl]- (CA INDEX NAME)

10/531,758



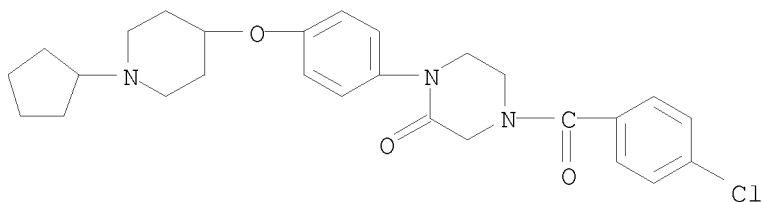
RN 921615-49-8 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



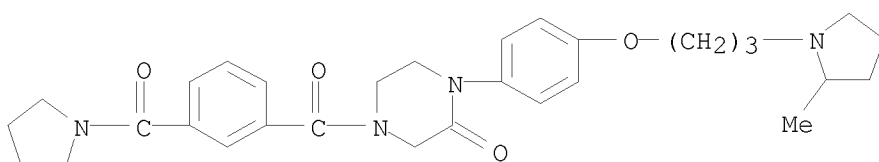
RN 921615-51-2 CAPLUS

CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



RN 921615-52-3 CAPLUS

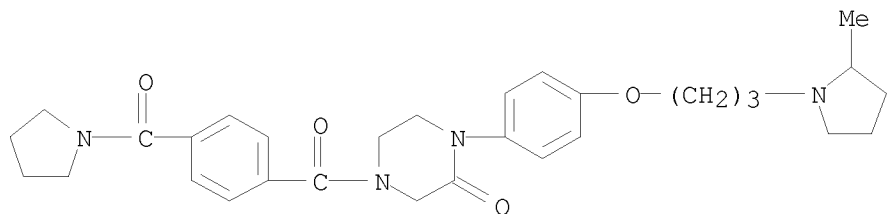
CN 2-Piperazinone, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



RN 921615-53-4 CAPLUS

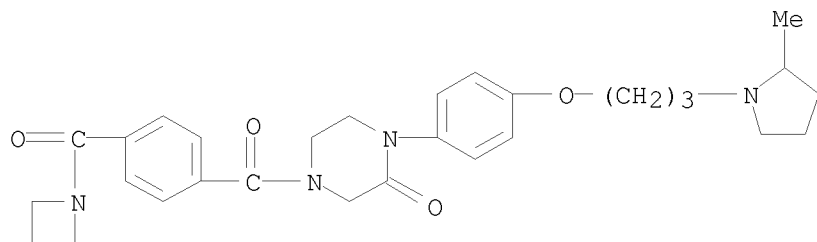
CN 2-Piperazinone, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)

10/531,758



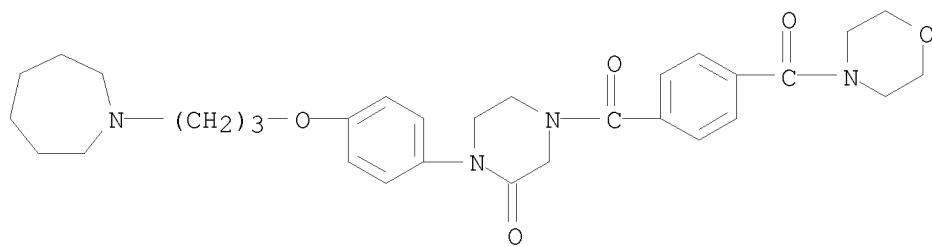
RN 921615-55-6 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinyldicarbonyl)benzoyl]-1-[4-[3-(2-methyl-1-pyrrolidinyloxy)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-57-8 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[4-(4-morpholinylcarbonyl)benzoyl]- (CA INDEX NAME)

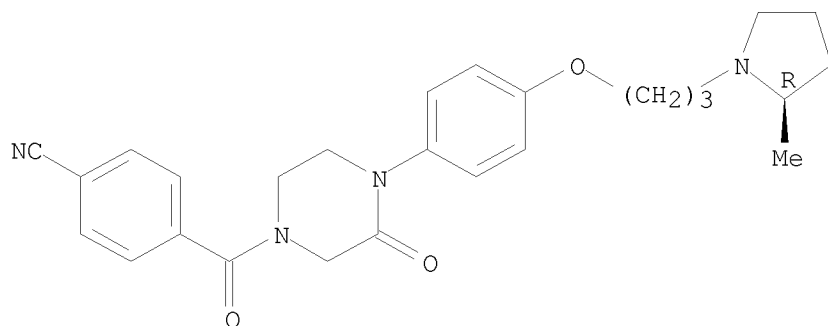


RN 921615-80-7 CAPLUS

CN Benzonitrile, 4-[[4-[4-[3-[(2R)-2-methyl-1-pyrrolidinyloxy]propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

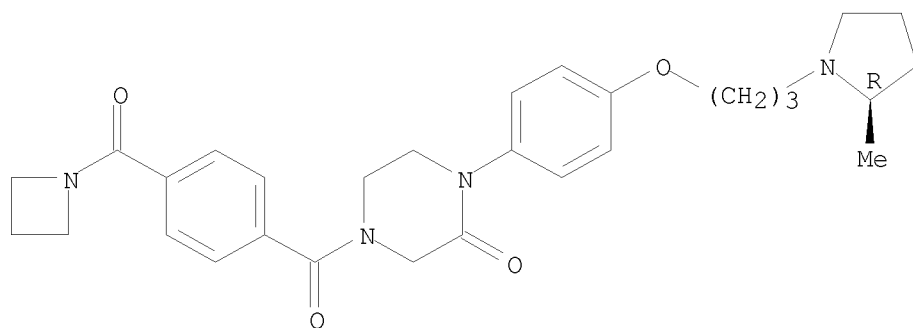
10/531,758



RN 921615-82-9 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinyldiphenylmethyl)-1-[(3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-1-yl]-1-yl (CA INDEX NAME)

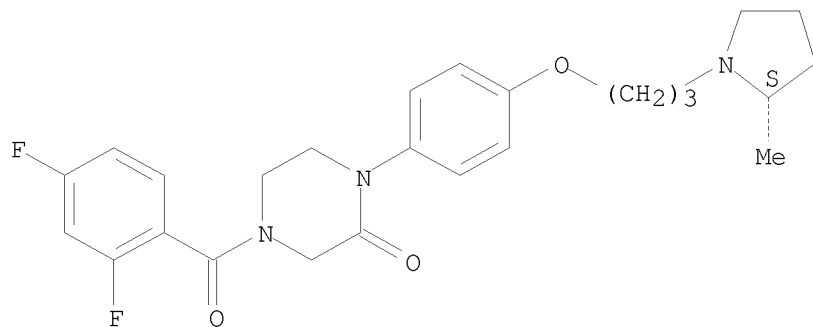
Absolute stereochemistry.



RN 921615-85-2 CAPLUS

CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-1-yl (CA INDEX NAME)

Absolute stereochemistry.



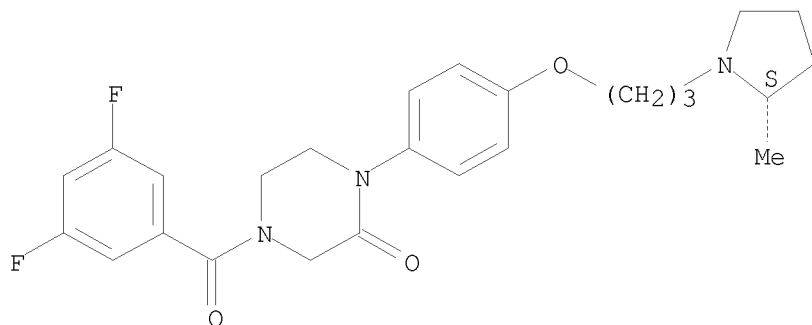
RN 921615-86-3 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-1-yl (CA INDEX NAME)

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pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

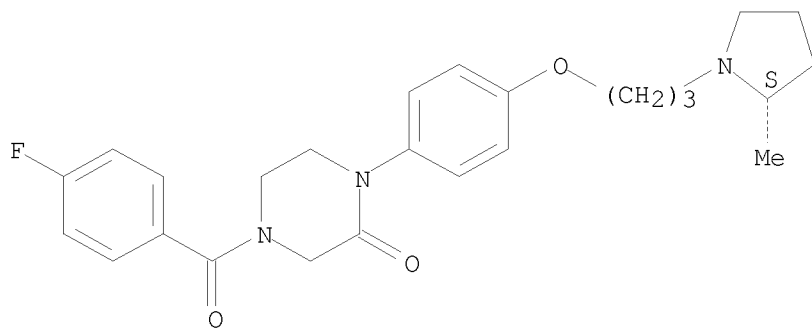
Absolute stereochemistry.



RN 921615-88-5 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

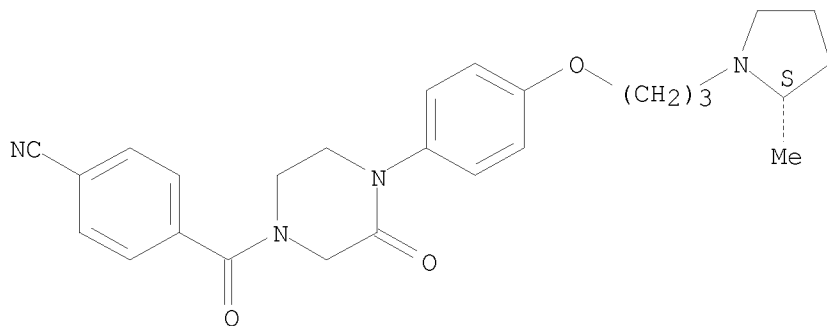
Absolute stereochemistry.



RN 921615-90-9 CAPLUS

CN Benzonitrile, 4-[[4-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

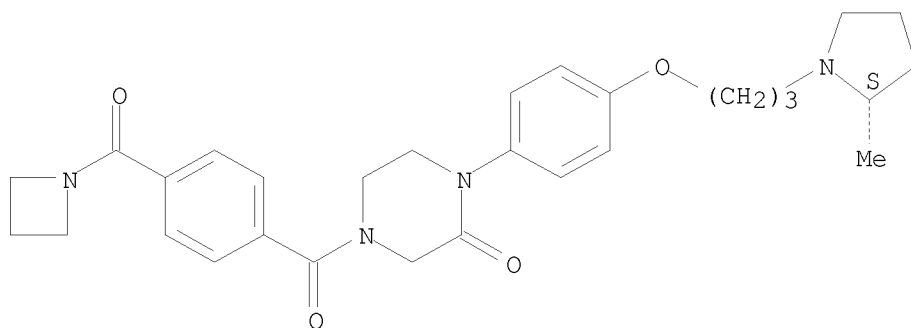


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RN 921615-92-1 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinylicarbonyl)benzoyl]-1-[4-[3-[(2S)-2-methyl-1-pyrrolidiny]propoxy]phenyl]- (CA INDEX NAME)

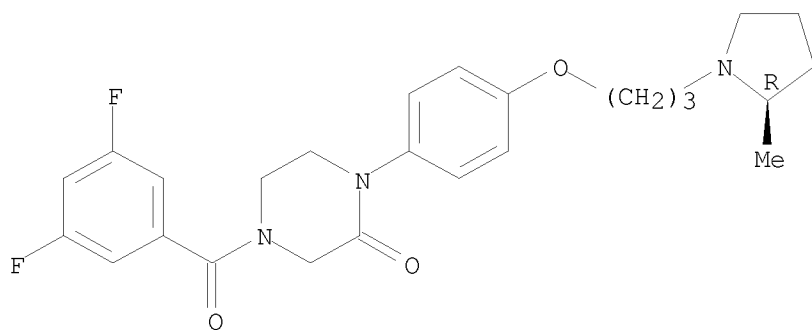
Absolute stereochemistry.



RN 921615-94-3 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidiny]propoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

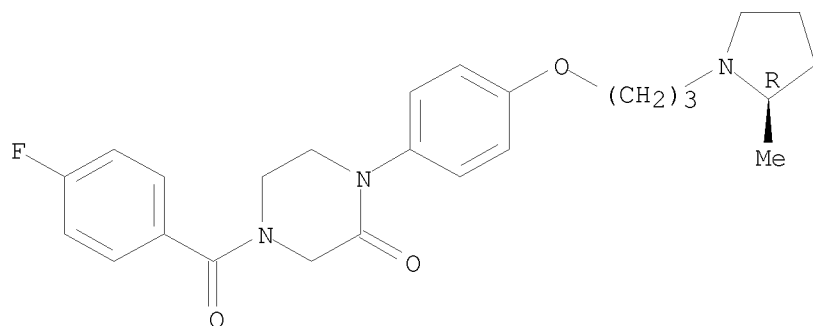


RN 921615-95-4 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidiny]propoxy]phenyl]- (CA INDEX NAME)

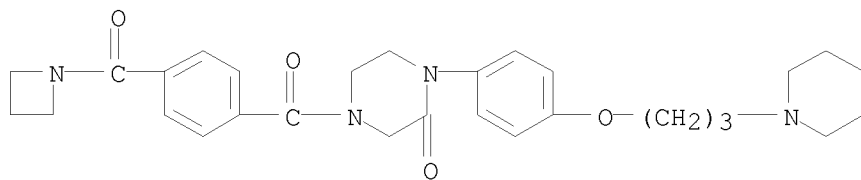
Absolute stereochemistry.

10/531,758



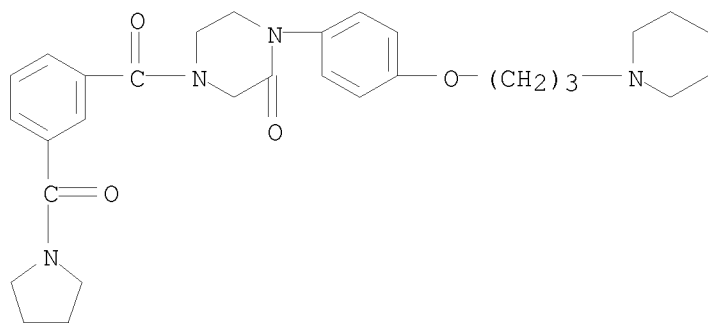
RN 921615-97-6 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinyloxy)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



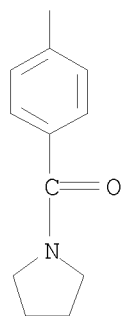
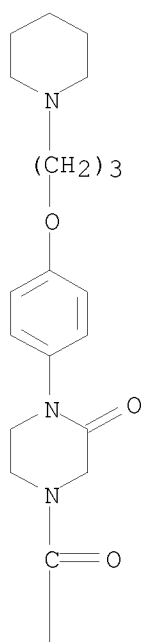
RN 921615-99-8 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



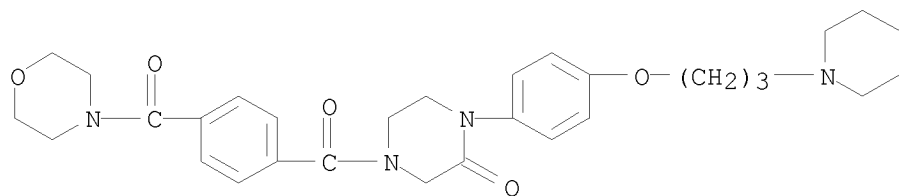
RN 921616-01-5 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



RN 921616-03-7 CAPLUS

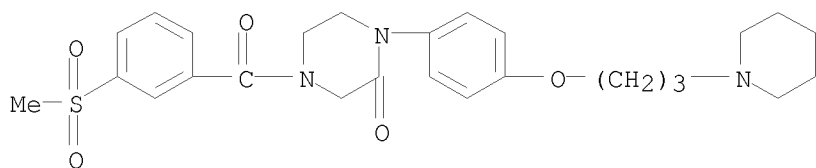
CN 2-Piperazinone, 4-[4-(4-morpholinylcarbonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



10/531,758

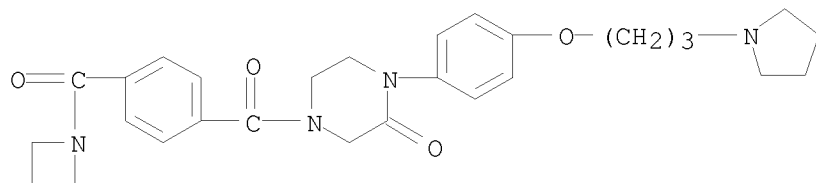
RN 921616-04-8 CAPLUS

CN 2-Piperazinone, 4-[3-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



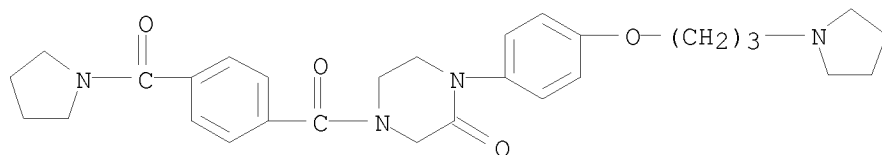
RN 921616-15-1 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinylicarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



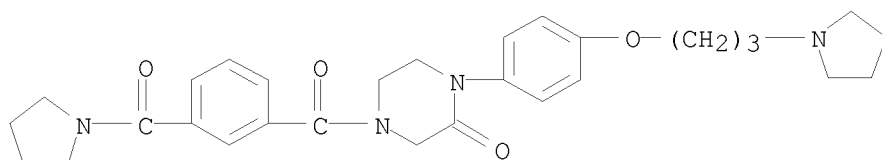
RN 921616-16-2 CAPLUS

CN 2-Piperazinone, 4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921616-17-3 CAPLUS

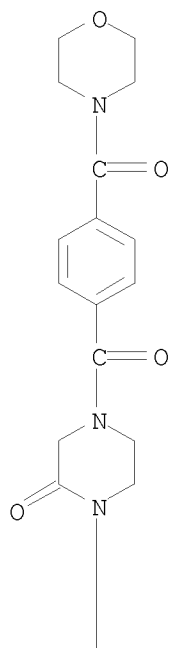
CN 2-Piperazinone, 4-[3-(1-pyrrolidinylcarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



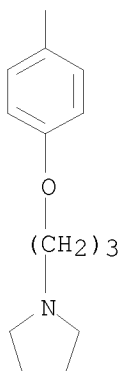
RN 921616-18-4 CAPLUS

CN 2-Piperazinone, 4-[4-(4-morpholinylcarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)

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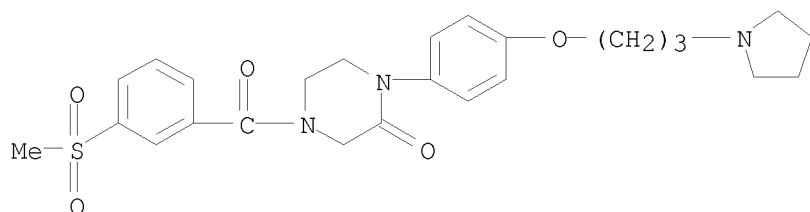


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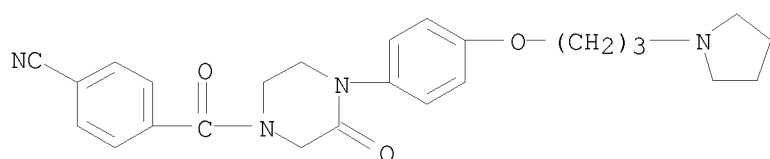
RN 921616-19-5 CAPLUS  
 CN 2-Piperazinone, 4-[3-(methylsulfonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)

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RN 921616-23-1 CAPLUS

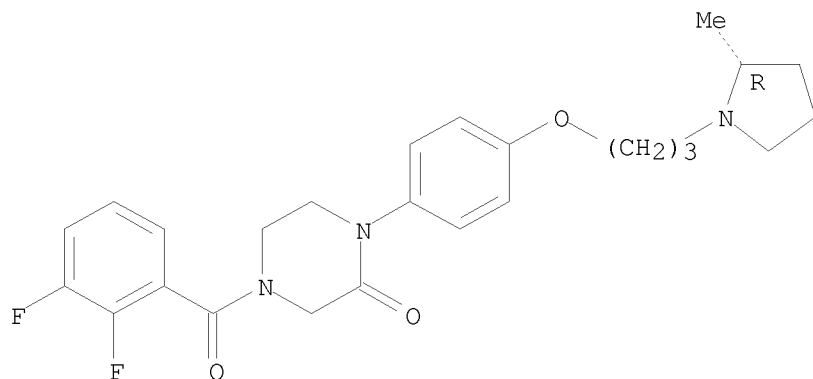
CN Benzonitrile, 4-[[3-oxo-4-[[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 921616-34-4 CAPLUS

CN 2-Piperazinone, 4-(2,3-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

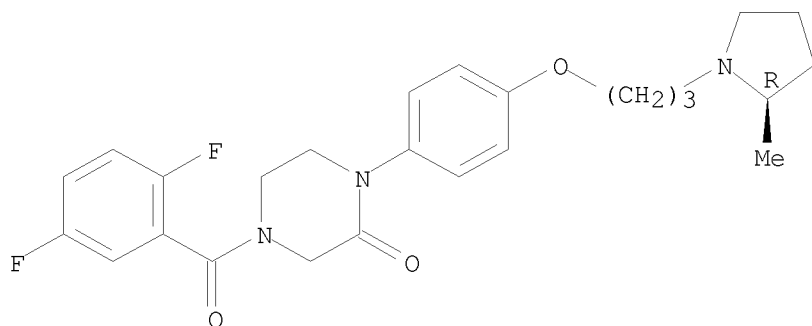


RN 921616-35-5 CAPLUS

CN 2-Piperazinone, 4-(2,5-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

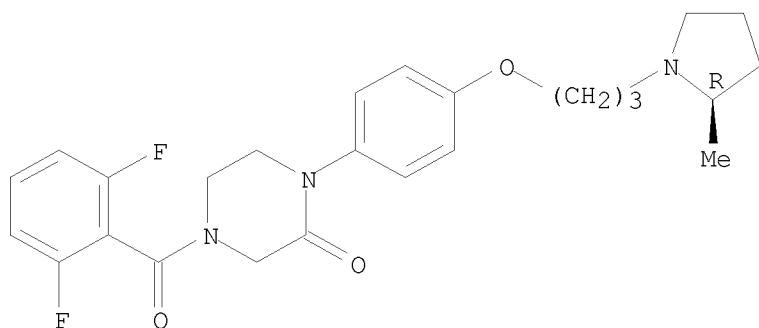
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RN 921616-36-6 CAPLUS

CN 2-Piperazinone, 4-(2,6-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

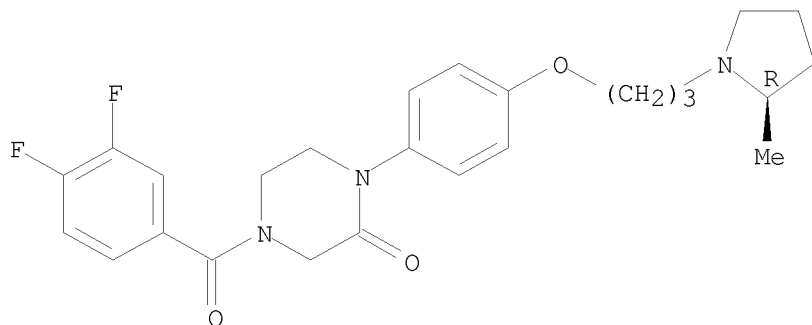
Absolute stereochemistry.



RN 921616-37-7 CAPLUS

CN 2-Piperazinone, 4-(3,4-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

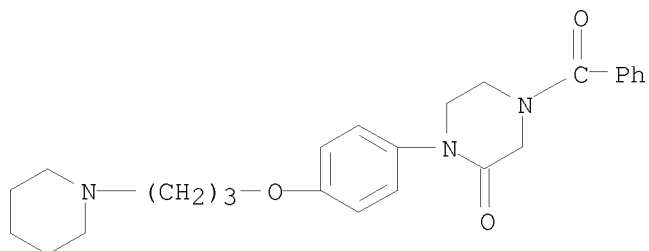


RN 921616-38-8 CAPLUS

CN 2-Piperazinone, 4-benzoyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA

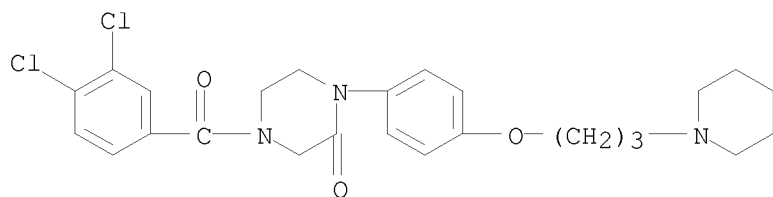
10/531,758

INDEX NAME)



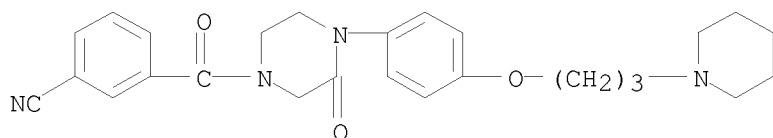
RN 921616-39-9 CAPLUS

CN 2-Piperazinone, 4-(3,4-dichlorobenzoyl)-1-[4-[3-(1-piperidinyloxypropoxy)phenyl]-1-piperidinyloxypropoxy]phenyl- (CA INDEX NAME)



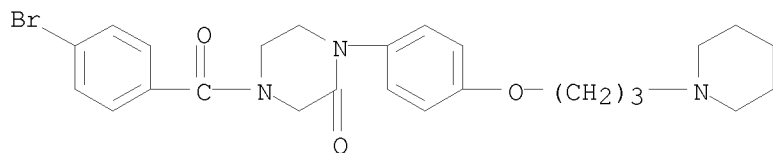
RN 921616-40-2 CAPLUS

CN Benzonitrile, 3-[[3-oxo-4-[4-[3-(1-piperidinyloxypropoxy)phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 921616-41-3 CAPLUS

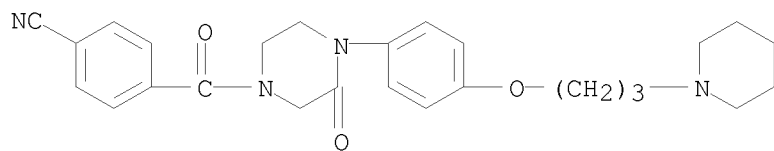
CN 2-Piperazinone, 4-(4-bromobenzoyl)-1-[4-[3-(1-piperidinyloxypropoxy)phenyl]-1-piperidinyloxypropoxy]phenyl- (CA INDEX NAME)



RN 921616-42-4 CAPLUS

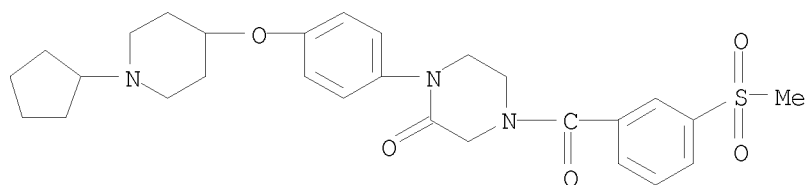
CN Benzonitrile, 4-[[3-oxo-4-[4-[3-(1-piperidinyloxypropoxy)phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)

10/531,758



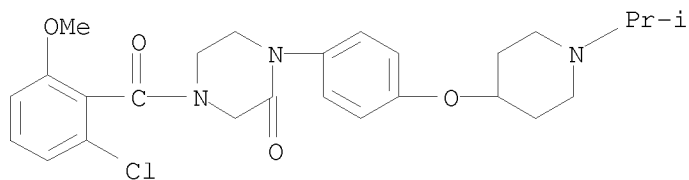
RN 921616-45-7 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



RN 921616-47-9 CAPLUS

CN 2-Piperazinone, 4-(2-chloro-6-methoxybenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:74880 CAPLUS

DOCUMENT NUMBER: 144:171014

TITLE: Preparation of 1-{4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl}-4-{[4-(methylsulfonyl)phenyl]carbonyl}piperazine or a derivative thereof for use in treating inflammation or allergies

INVENTOR(S): Ancliff, Ranael Ann; Eldred, Colin David; Fogden, Yvonne C.; Hancock, Ashley Paul; Heightman, Thomas Daniel; Hobbs, Heather; Hodgson, Simon Teanby; Lindon, Matthew J.; Wilson, David Matthew

PATENT ASSIGNEE(S): UK

SOURCE: U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006019964	A1	20060126	US 2005-112048	20050422
CN 101070309	A	20071114	CN 2006-10108610	20031014
WO 2006090142	A1	20060831	WO 2006-GB617	20060222
WO 2006090142	A9	20061102		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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EP 1851201	A1	20071107	EP 2006-709850	20060222
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IN 2006KN02281	A	20070525	IN 2006-KN2281	20060810
JP 2007016041	A	20070125	JP 2006-231163	20060828
PRIORITY APPLN. INFO.:				
			GB 2002-24084	A 20021016
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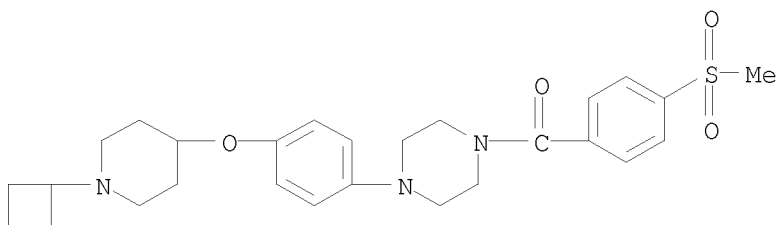
OTHER SOURCE(S): CASREACT 144:171014

AB 1-{4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl}-4-{[4-(methylsulfonyl)phenyl]carbonyl}piperazine (I) or a derivative thereof are claimed for use in treating inflammation or allergies. Addnl. claimed are pharmaceutical compns. containing I or its derivs. and a process for preparing I

from 1-[4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl]piperazine (II) and

4-(methylsulfonyl)benzoic acid. II was prepared in 4 steps from di-tert-Bu dicarbonate and N-(4-hydroxyphenyl)piperazine. In in vitro bioassays, I and its derivs. indicated an average pKi(pKb) at H3 for approx. 9.6 and average pKi(pKb) at H1 of approx. 5.6.

IT 874297-05-9P, 1-[4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[[4-(methylsulfonyl)phenyl]carbonyl]piperazine  
 RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (drug candidate; preparation of 1-{4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl}-4-{[4-(methylsulfonyl)phenyl]carbonyl}piperazine or a derivative thereof for use in treating inflammation or allergies)  
 RN 874297-05-9 CAPLUS  
 CN Piperazine, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:354923 CAPLUS

DOCUMENT NUMBER: 140:375196

TITLE: Preparation of substituted piperazines,  
[1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes  
as histamine H1 and/or H3 antagonists or histamine H3  
reverse antagonists

INVENTOR(S): Ancliff, Rachael; Eldred, Colin David; Fogden, Yvonne  
C.; Hancock, Ashley Paul; Heightman, Thomas Daniel;  
Hobbs, Heather; Hodgson, Simon Teanby; Lindon, Matthew  
J.; Wilson, David Matthew

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 140 pp.

CODEN: PIXXD2

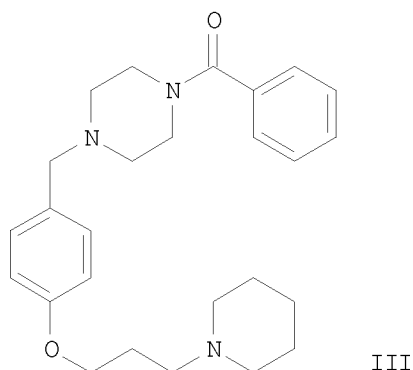
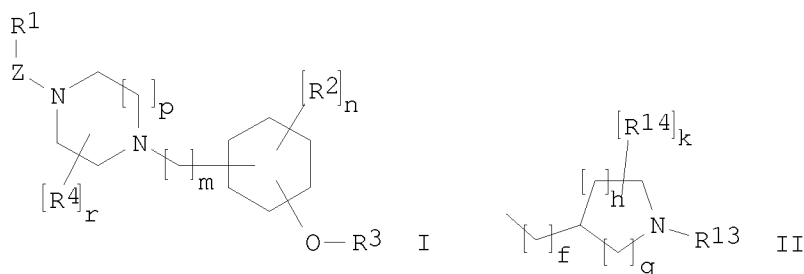
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035556	A1	20040429	WO 2003-EP11423	20031014
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AU 2003280380	A1	20040504	AU 2003-280380	20031014
BR 2003015283	A	20050830	BR 2003-15283	20031014
EP 1567511	A1	20050831	EP 2003-772221	20031014
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1726201	A	20060125	CN 2003-80106014	20031014
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NZ 539446	A	20061130	NZ 2003-539446	20031014
CN 101070309	A	20071114	CN 2006-10108610	20031014
IN 2005KN00566	A	20060224	IN 2005-KN566	20050404
NO 2005001689	A	20050707	NO 2005-1689	20050405
ZA 2005002873	A	20060726	ZA 2005-2873	20050408
US 2006025404	A1	20060202	US 2005-531758	20050414
MX 2005PA04078	A	20050608	MX 2005-PA4078	20050415
IN 2006KN02281	A	20070525	IN 2006-KN2281	20060810
JP 2007016041	A	20070125	JP 2006-231163	20060828
PRIORITY APPLN. INFO.:			GB 2002-24084	A 20021016
			CN 2003-80106014	A3 20031014
			JP 2004-544241	A3 20031014
			WO 2003-EP11423	W 20031014
			IN 2005-KN566	A3 20050404
OTHER SOURCE(S):		MARPAT 140:375196		
GI				



AB The title compds. [I;  $R^1$  = H, alkyl, alkoxy, etc.;  $Z$  = a bond, CO, (un)substituted CONH,  $SO_2$ ;  $p$  = 1-2;  $m$ ,  $n$ ,  $r$  = 0-2;  $R^2$  = halo, alkyl, alkoxy, etc.;  $R^3$  =  $(CH_2)_qNR^{11}R^{12}$ , II (wherein  $q$  = 2-4;  $R^{11}$ ,  $R^{12}$  = alkyl, cycloalkyl;  $NR^{11}R^{12}$  = heterocyclyl;  $R^{13}$  = H, alkyl, cycloalkyl, etc.;  $R^{14}$  = halo, alkyl, haloalkyl, etc.;  $f$ ,  $k$  = 0-2;  $g$  = 0-2;  $h$  = 0-3, such that  $g$  and  $h$  cannot both be 0);  $R^4$  = H, alkyl such that when  $r$  = 2, two  $R^4$  groups may instead be linked to form  $CH_2$ ,  $(CH_2)_2$ ,  $(CH_2)_3$ ; with the provisos], useful in the treatment of neurodegenerative disorders including Alzheimer's disease, and inflammatory diseases of the upper respiratory tract, were prepared. Thus, reacting 1-[4-(3-piperidin-1-ylpropoxy)benzyl]piperazine. $3HCl$  (preparation given) with benzoic acid afforded 77% III which was tested in the histamine  $H_3$  functional antagonist assay and showed  $pK_b$  of  $> 6.5$ . The pharmaceutical composition comprising the compound

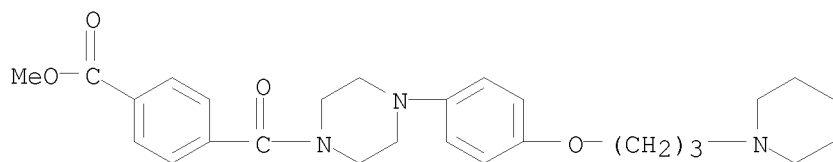
I is claimed.

IT 684247-33-4P 684248-09-7P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of substituted piperazines, [1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes as histamine  $H_1$  and/or  $H_3$  antagonists or histamine  $H_3$  reverse antagonists)

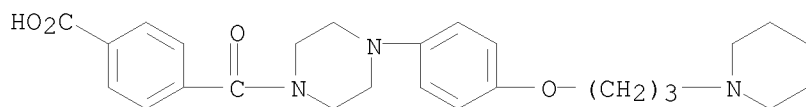
RN 684247-33-4 CAPLUS

CN Benzoic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



RN 684248-09-7 CAPLUS

CN Benzoic acid, 4-[[4-[[4-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



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 684244-22-2P 684244-23-3P 684244-24-4P  
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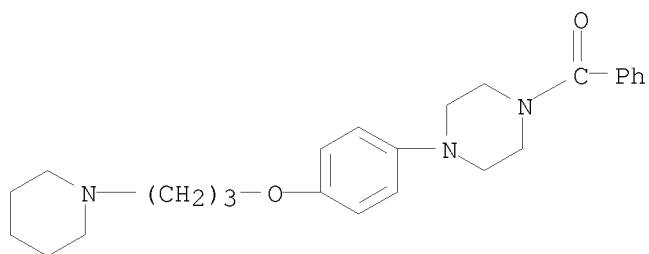
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of substituted piperazines, [1,4]diazepines, and  
 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists  
 or histamine H3 reverse antagonists)

RN 684243-60-5 CAPLUS

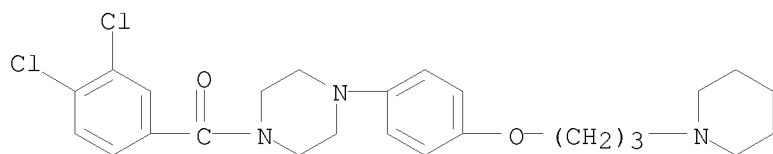
CN Piperazine, 1-benzoyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA  
 INDEX NAME)

10/531,758



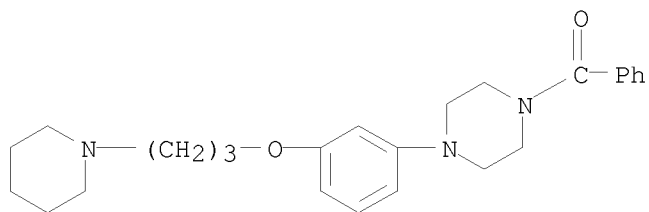
RN 684243-61-6 CAPLUS

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(9CI) (CA INDEX NAME)



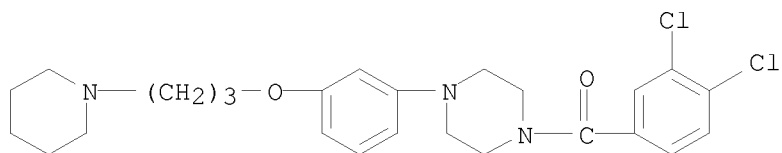
RN 684243-62-7 CAPLUS

CN Piperazine, 1-benzoyl-4-[3-[3-(1-piperidinyloxy)propoxy]phenyl]- (9CI) (CA  
INDEX NAME)



RN 684243-63-8 CAPLUS

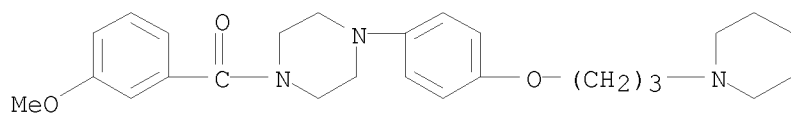
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RN 684244-20-0 CAPLUS

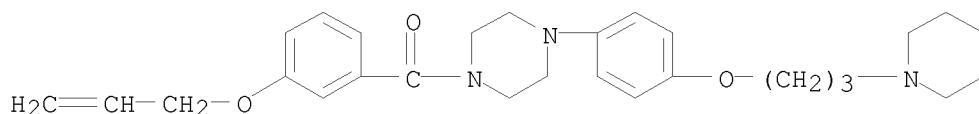
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(9CI) (CA INDEX NAME)

10/531,758



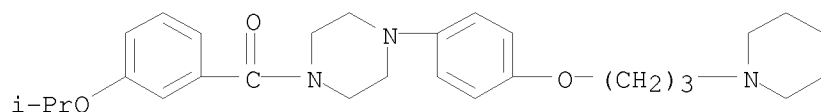
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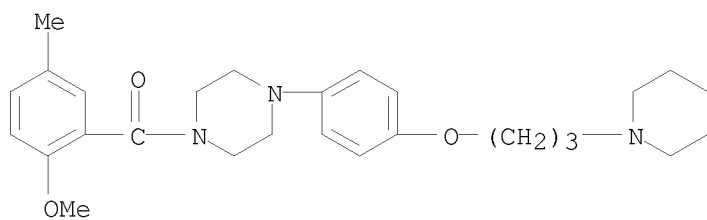
RN 684244-22-2 CAPLUS

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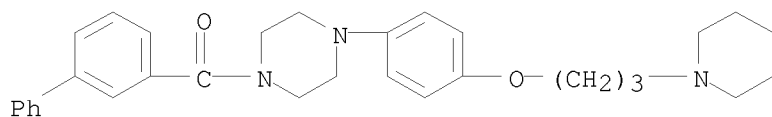
RN 684244-23-3 CAPLUS

CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(1-piperidinyloxy)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-24-4 CAPLUS

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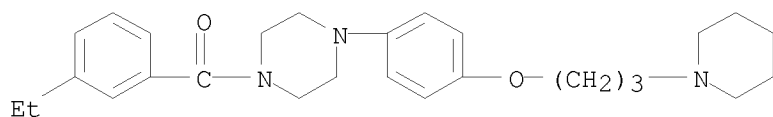


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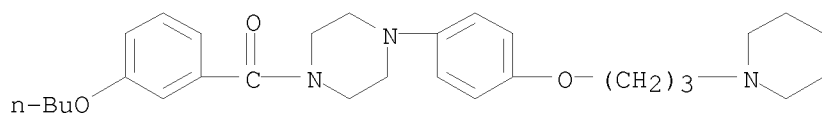
10/531,758

(9CI) (CA INDEX NAME)



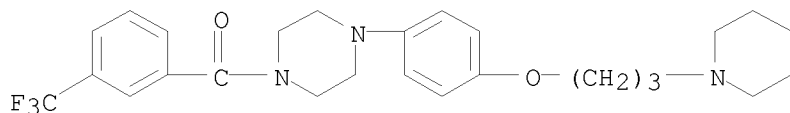
RN 684244-26-6 CAPLUS

CN Piperazine, 1-(3-butoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



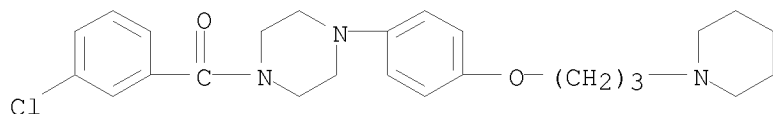
RN 684244-27-7 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



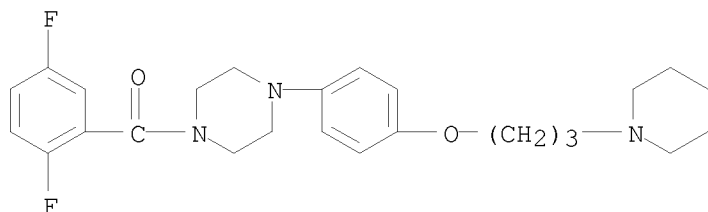
RN 684244-28-8 CAPLUS

CN Piperazine, 1-(3-chlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



RN 684244-29-9 CAPLUS

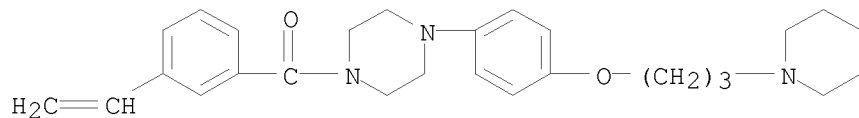
CN Piperazine, 1-(2,5-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



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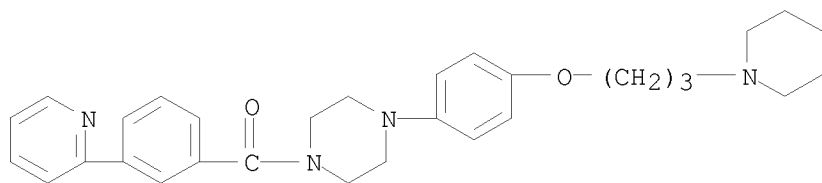
RN 684244-30-2 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



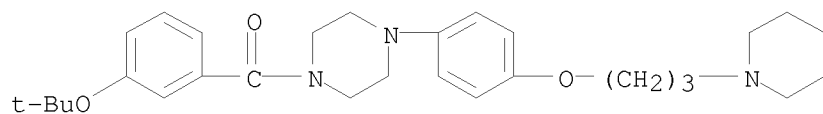
RN 684244-31-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(2-pyridinyl)benzoyl]- (9CI) (CA INDEX NAME)



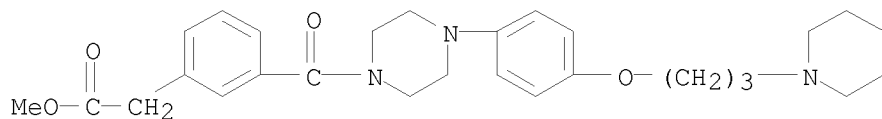
RN 684244-32-4 CAPLUS

CN Piperazine, 1-[3-(1,1-dimethylethoxy)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-33-5 CAPLUS

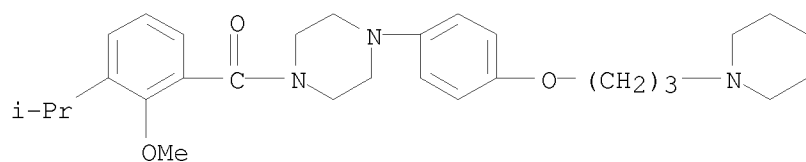
CN Benzeneacetic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



RN 684244-34-6 CAPLUS

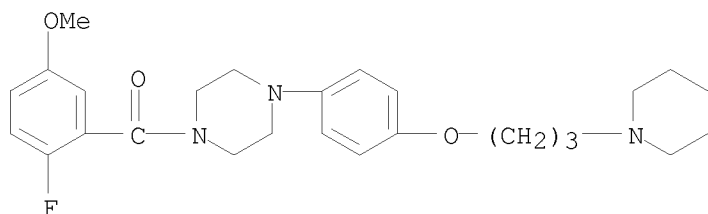
CN Piperazine, 1-[2-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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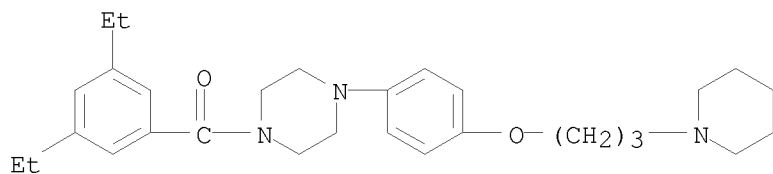
RN 684244-35-7 CAPLUS

CN Piperazine, 1-(2-fluoro-5-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



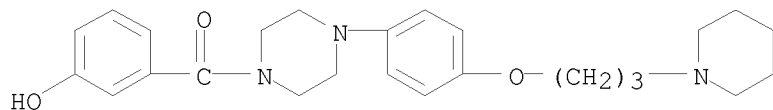
RN 684244-36-8 CAPLUS

CN Piperazine, 1-(3,5-diethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-37-9 CAPLUS

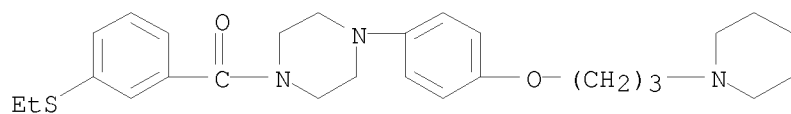
CN Piperazine, 1-(3-hydroxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-38-0 CAPLUS

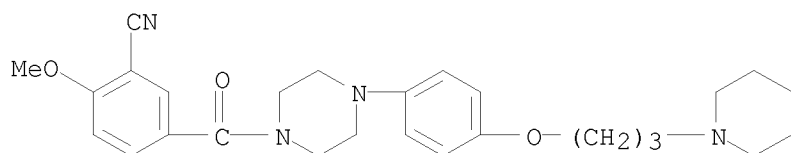
CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



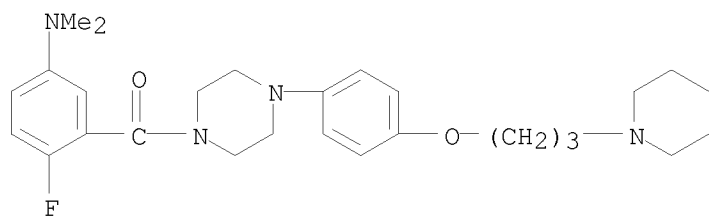
RN 684244-40-4 CAPLUS

CN Piperazine, 1-(3-cyano-4-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



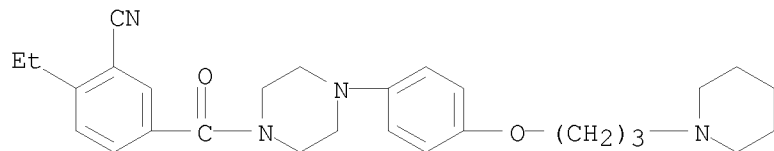
RN 684244-41-5 CAPLUS

CN Piperazine, 1-[5-(dimethylamino)-2-fluorobenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



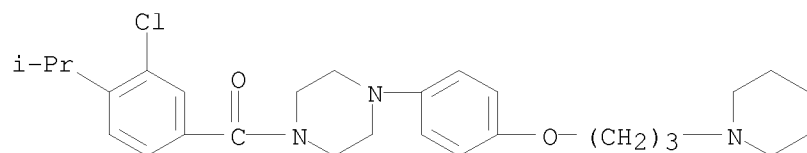
RN 684244-42-6 CAPLUS

CN Piperazine, 1-(3-cyano-4-ethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-43-7 CAPLUS

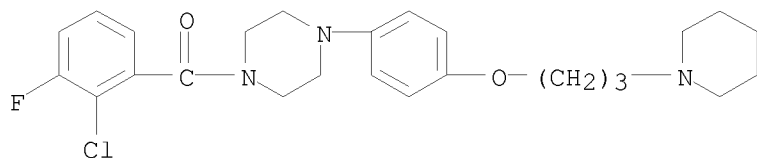
CN Piperazine, 1-[3-chloro-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



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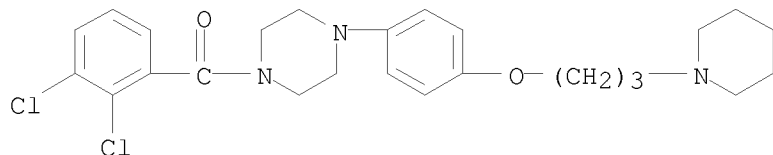
RN 684244-46-0 CAPLUS

CN Piperazine, 1-(2-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



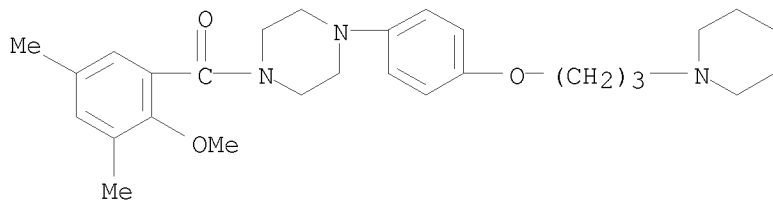
RN 684244-48-2 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



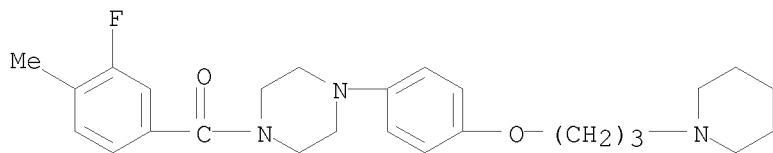
RN 684244-49-3 CAPLUS

CN Piperazine, 1-(2-methoxy-3,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-50-6 CAPLUS

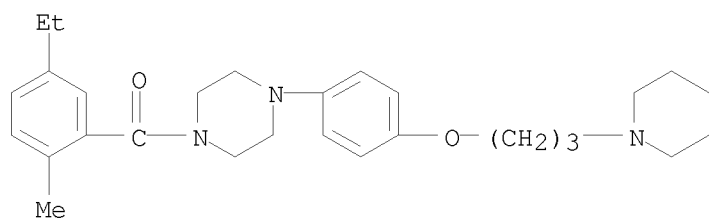
CN Piperazine, 1-(3-fluoro-4-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-51-7 CAPLUS

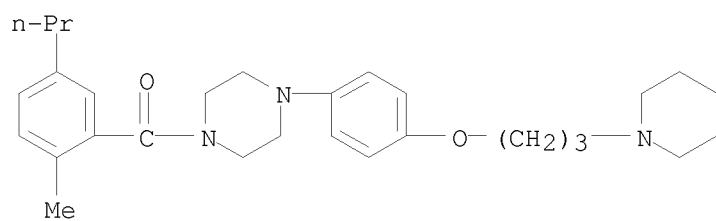
CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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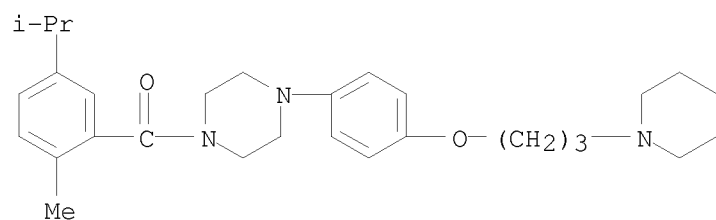
RN 684244-52-8 CAPLUS

CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



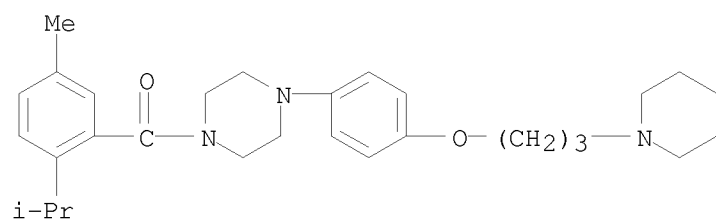
RN 684244-53-9 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-54-0 CAPLUS

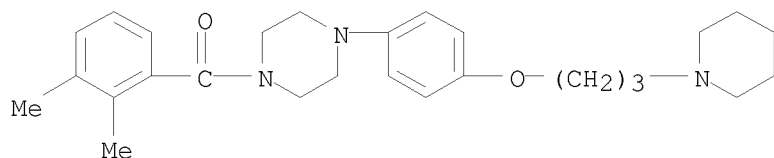
CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-56-2 CAPLUS

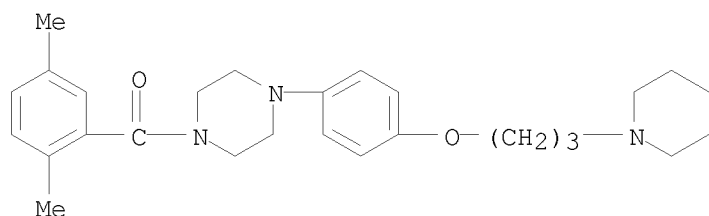
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CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



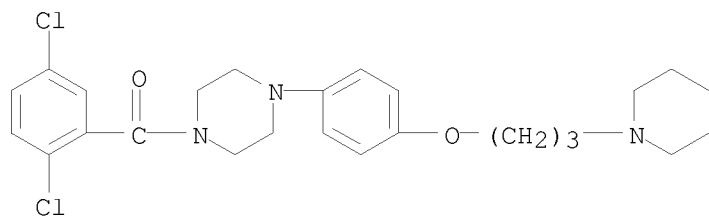
RN 684244-57-3 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



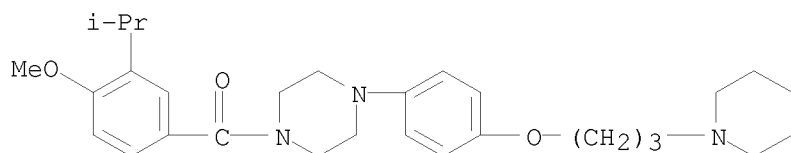
RN 684244-58-4 CAPLUS

CN Piperazine, 1-(2,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



RN 684244-60-8 CAPLUS

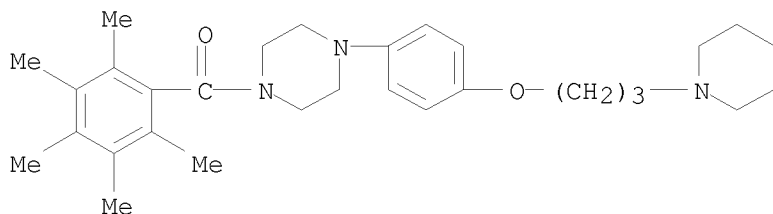
CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-61-9 CAPLUS

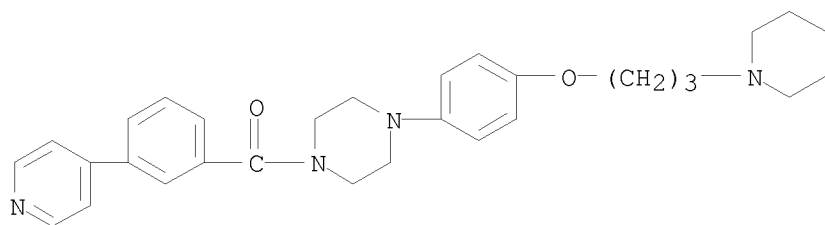
CN Piperazine, 1-(pentamethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)

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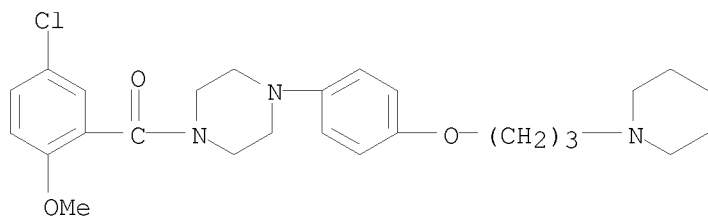
RN 684244-62-0 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(4-pyridinyl)benzoyl]- (9CI) (CA INDEX NAME)



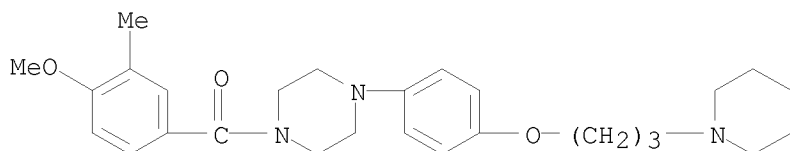
RN 684244-63-1 CAPLUS

CN Piperazine, 1-(5-chloro-2-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-64-2 CAPLUS

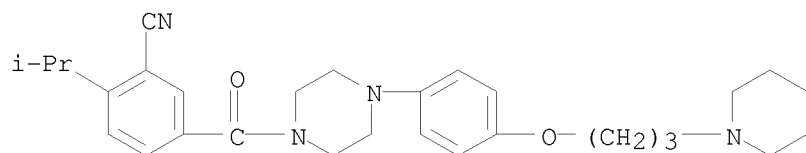
CN Piperazine, 1-(4-methoxy-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-65-3 CAPLUS

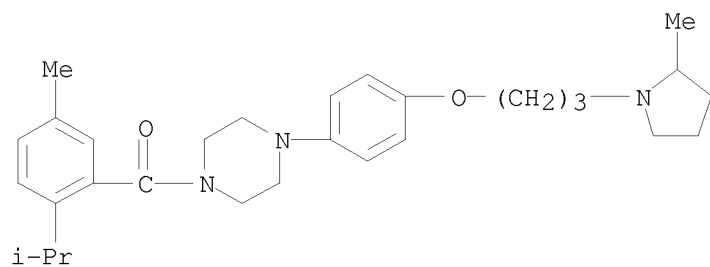
CN Piperazine, 1-[3-cyano-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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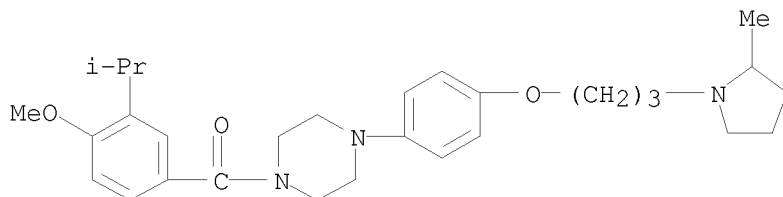
RN 684244-66-4 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



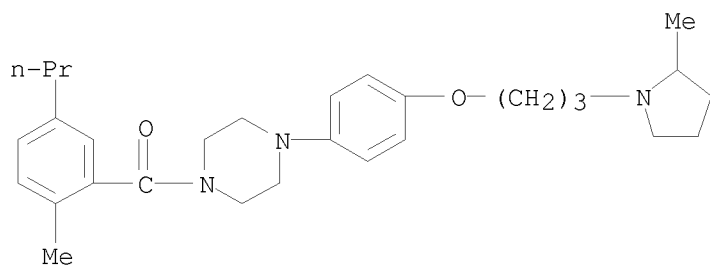
RN 684244-67-5 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-68-6 CAPLUS

CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

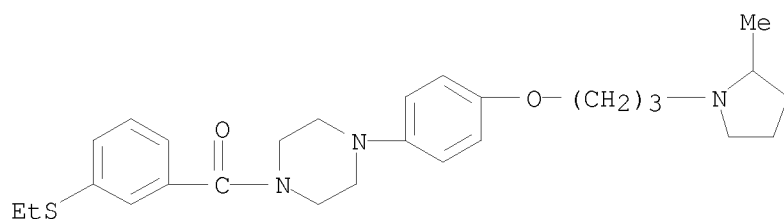


RN 684244-69-7 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

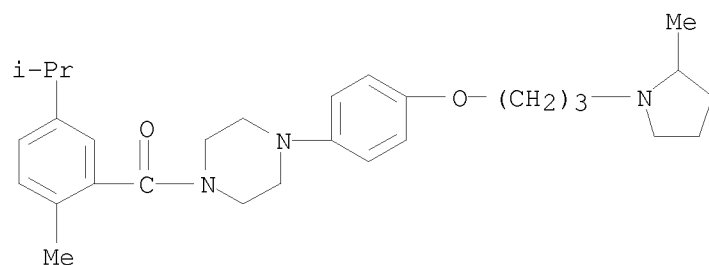
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pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



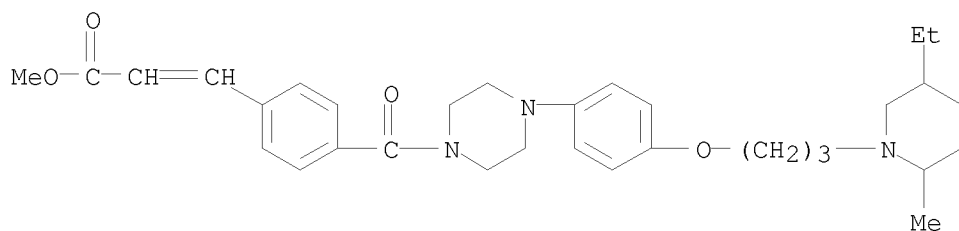
RN 684244-70-0 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-73-3 CAPLUS

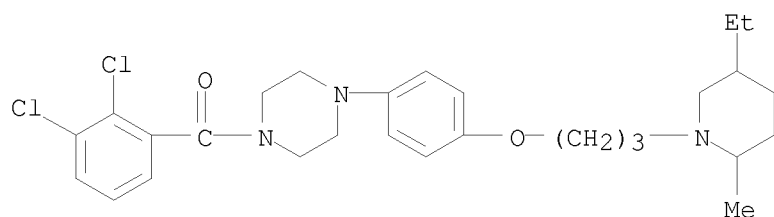
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]-, methyl ester (CA INDEX NAME)



RN 684244-74-4 CAPLUS

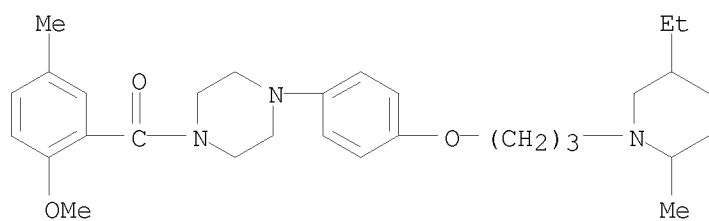
CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



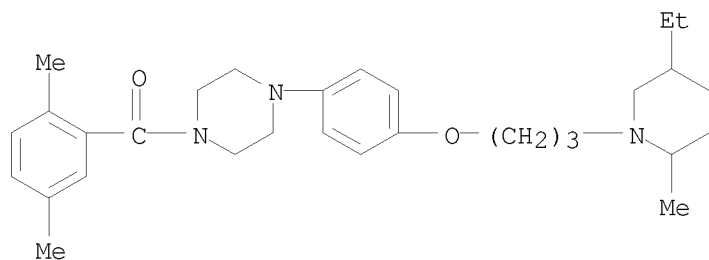
RN 684244-75-5 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



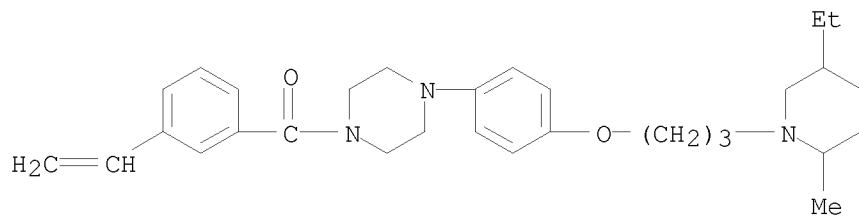
RN 684244-77-7 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-81-3 CAPLUS

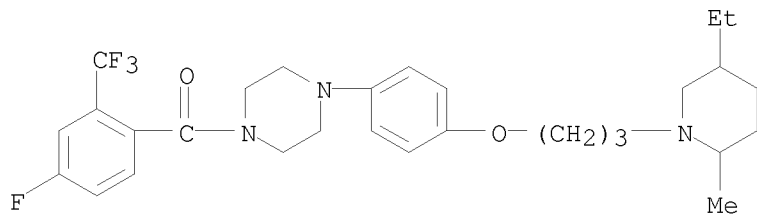
CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



10/531,758

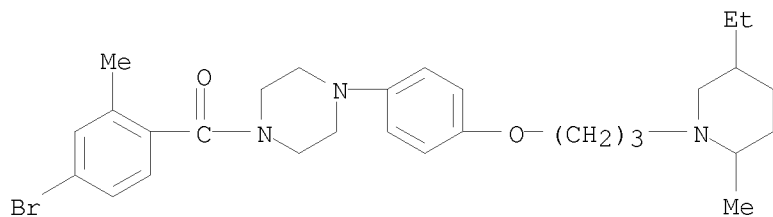
RN 684244-82-4 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



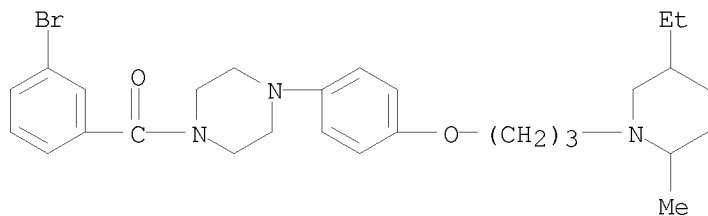
RN 684244-83-5 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-84-6 CAPLUS

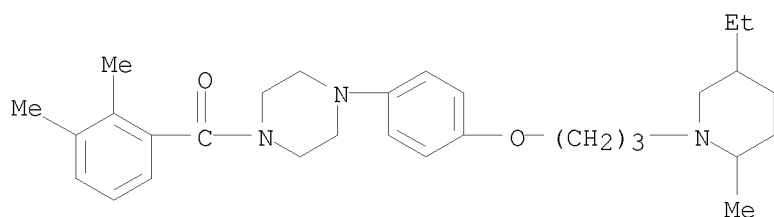
CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-87-9 CAPLUS

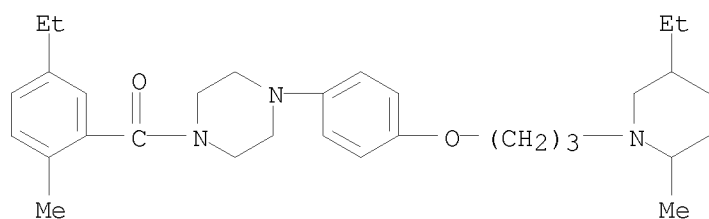
CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



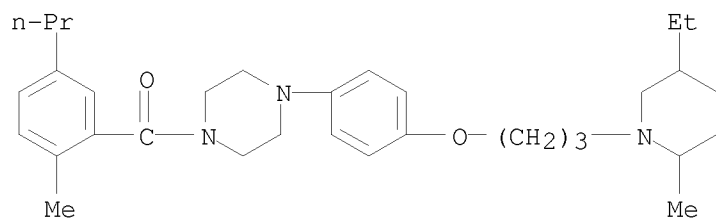
RN 684244-88-0 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



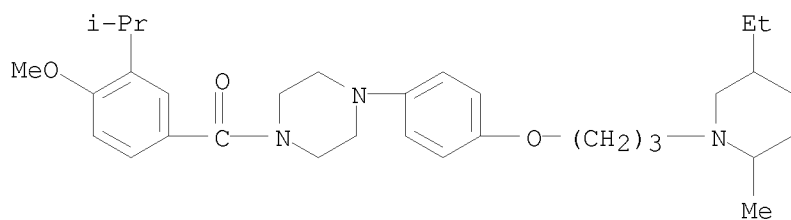
RN 684244-89-1 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684244-90-4 CAPLUS

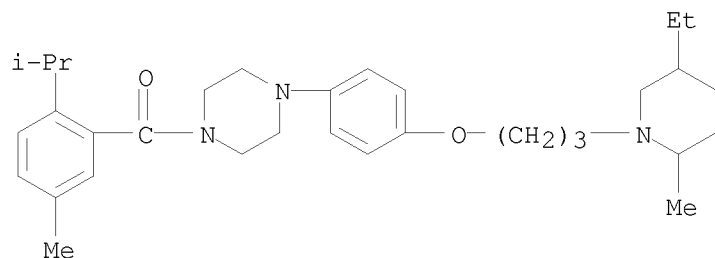
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684244-91-5 CAPLUS

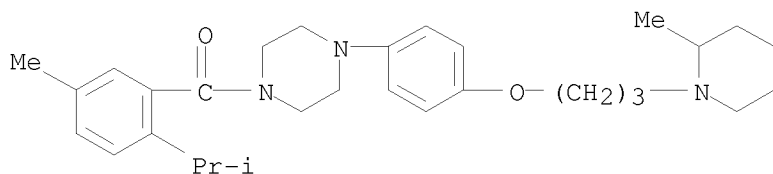
10/531,758

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



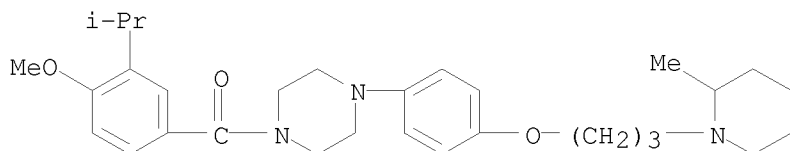
RN 684244-92-6 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



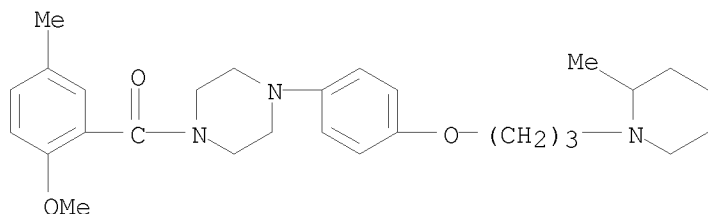
RN 684244-93-7 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-96-0 CAPLUS

CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

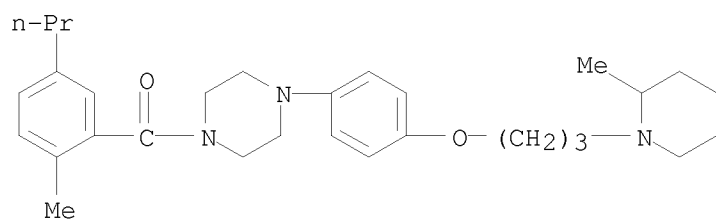


RN 684244-97-1 CAPLUS

CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-

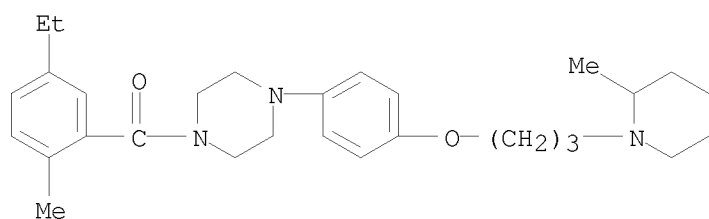
10/531,758

propylbenzoyl)- (9CI) (CA INDEX NAME)



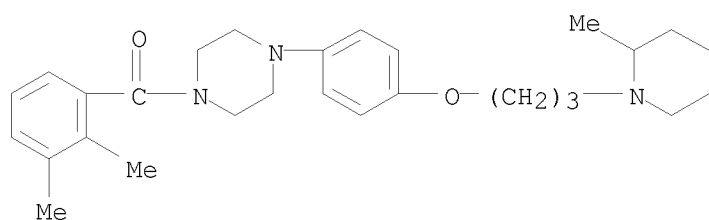
RN 684244-98-2 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



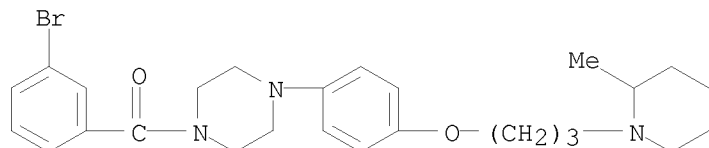
RN 684244-99-3 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-01-0 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-03-2 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[5-methyl-

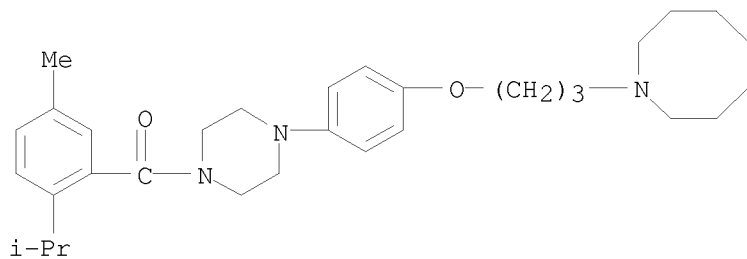
10/531,758

2-(1-methylethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-02-1

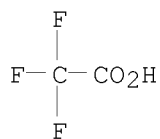
CMF C31 H45 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



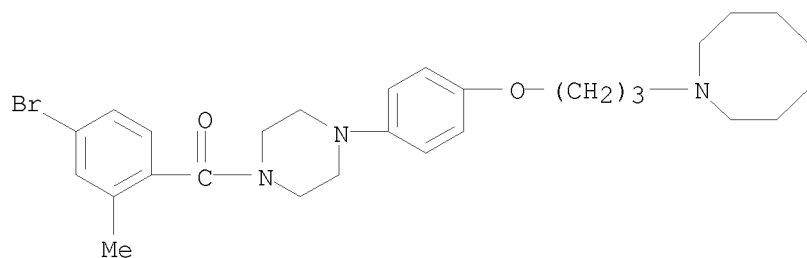
RN 684245-05-4 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-04-3

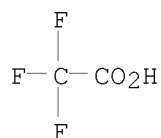
CMF C28 H38 Br N3 O2



CM 2

10/531,758

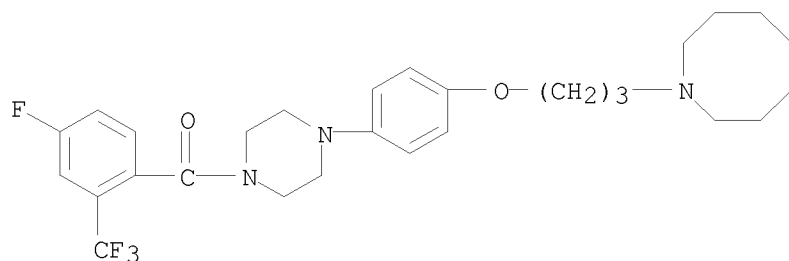
CRN 76-05-1  
CMF C2 H F3 O2



RN 684245-07-6 CAPLUS  
CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

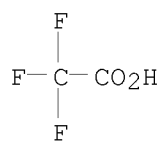
CM 1

CRN 684245-06-5  
CMF C28 H35 F4 N3 O2



CM 2

CRN 76-05-1  
CMF C2 H F3 O2

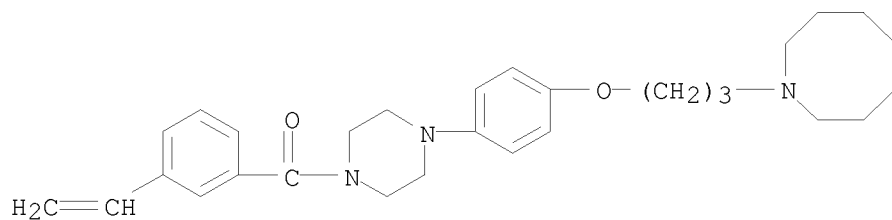


RN 684245-09-8 CAPLUS  
CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-08-7  
CMF C29 H39 N3 O2

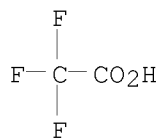
10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



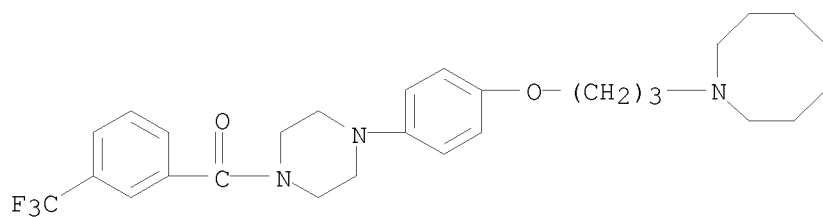
RN 684245-13-4 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-12-3

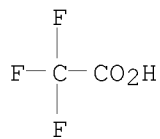
CMF C28 H36 F3 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



10/531,758

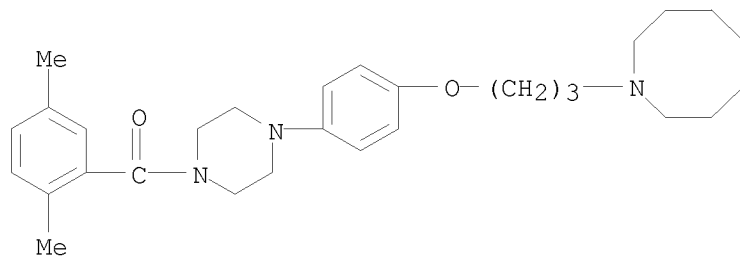
RN 684245-15-6 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-14-5

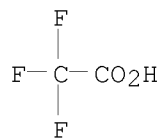
CMF C29 H41 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



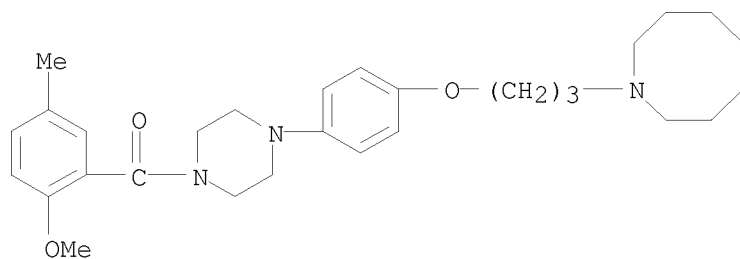
RN 684245-19-0 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-18-9

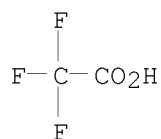
CMF C29 H41 N3 O3



10/531,758

CM 2

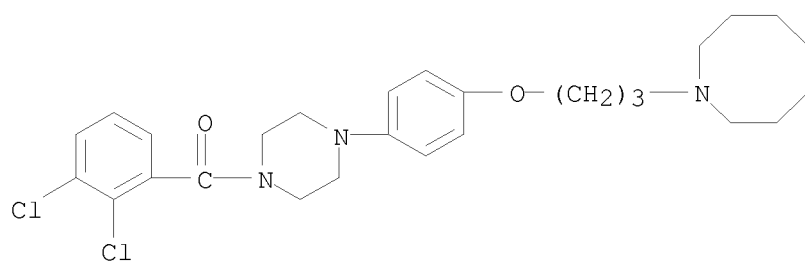
CRN 76-05-1  
CMF C2 H F3 O2



RN 684245-21-4 CAPLUS  
CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

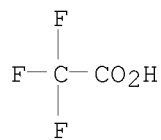
CM 1

CRN 684245-20-3  
CMF C27 H35 Cl2 N3 O2



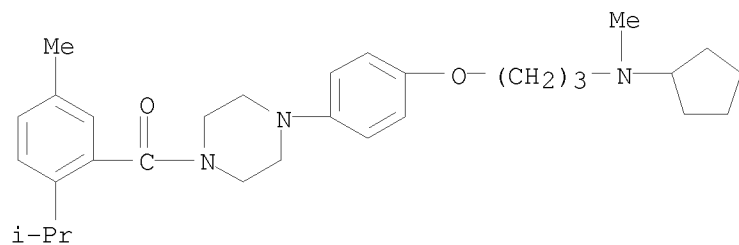
CM 2

CRN 76-05-1  
CMF C2 H F3 O2



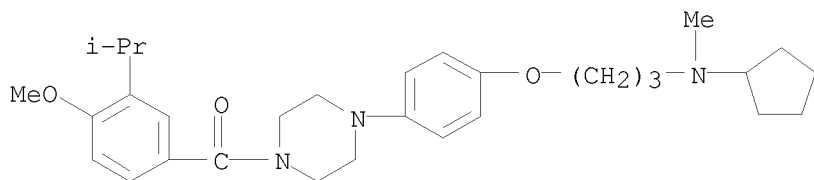
RN 684245-22-5 CAPLUS  
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)

10/531,758



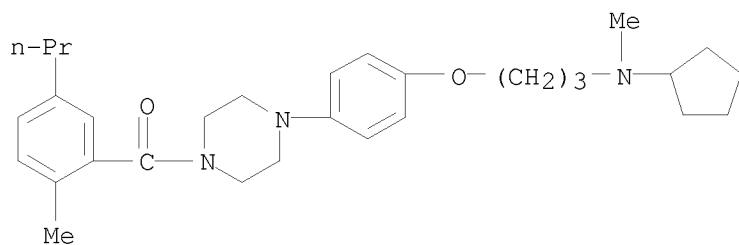
RN 684245-23-6 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



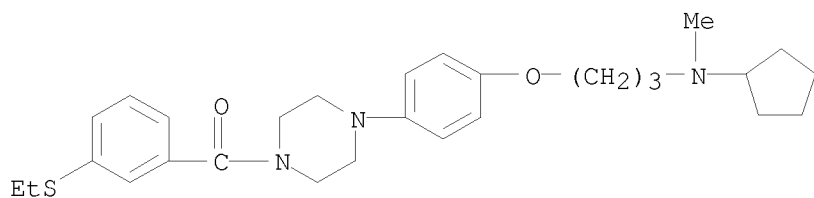
RN 684245-24-7 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-25-8 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-(ethylthio)benzoyl]- (9CI) (CA INDEX NAME)

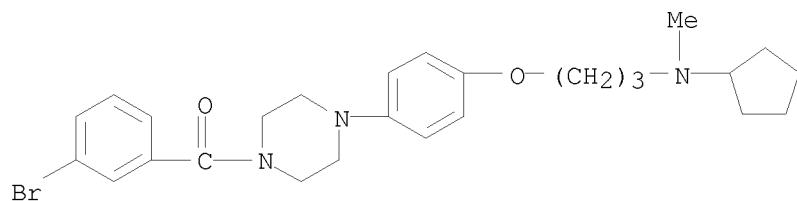


RN 684245-26-9 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(cyclopentylmethylamino)propoxy]phe

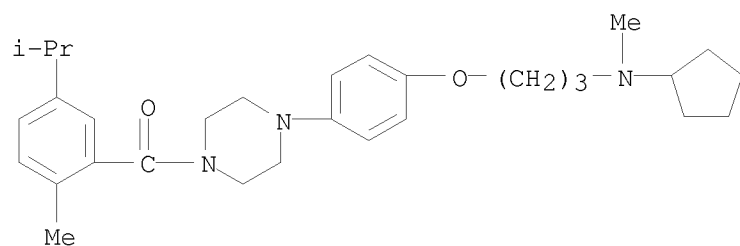
10/531,758

nyl]- (9CI) (CA INDEX NAME)



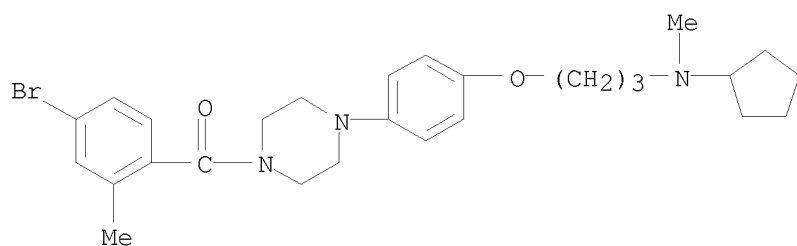
RN 684245-27-0 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



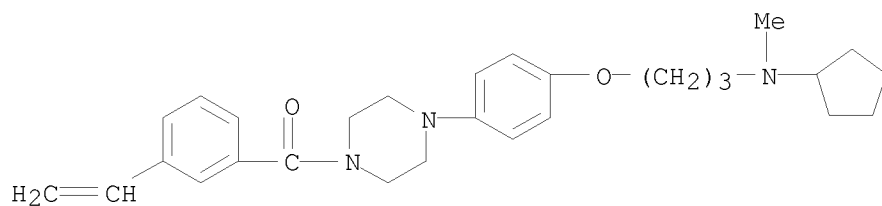
RN 684245-28-1 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-29-2 CAPLUS

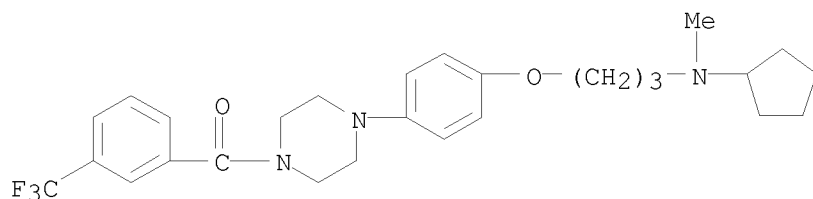
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(3-ethenylbenzoyl)- (9CI) (CA INDEX NAME)



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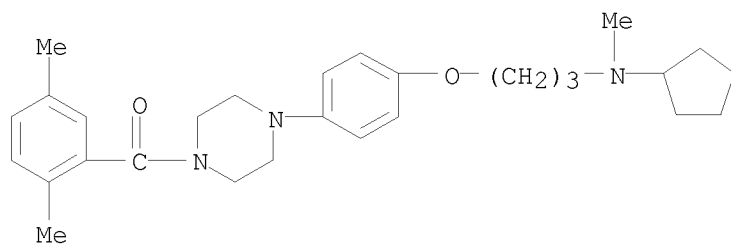
RN 684245-33-8 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



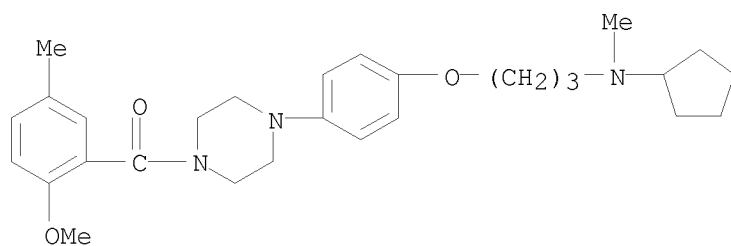
RN 684245-34-9 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,5-dimethylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-36-1 CAPLUS

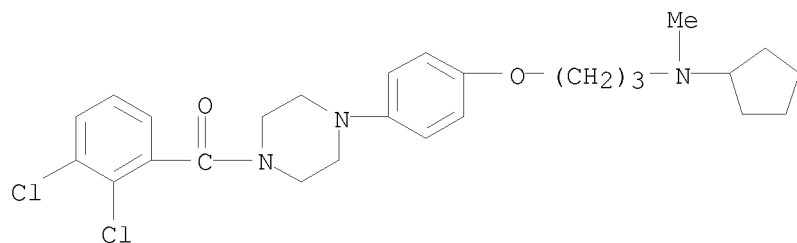
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-37-2 CAPLUS

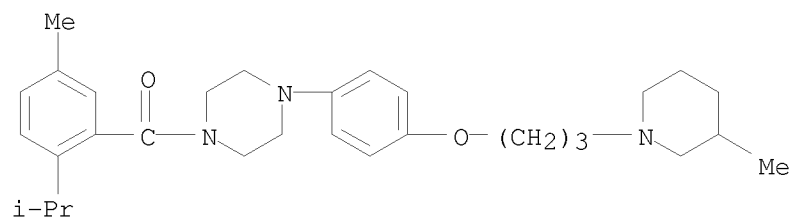
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,3-dichlorobenzoyl)- (9CI) (CA INDEX NAME)

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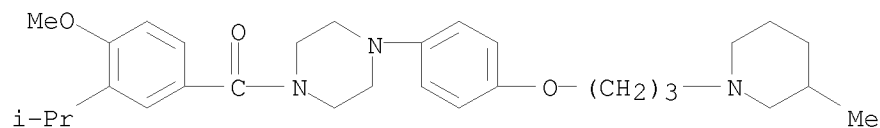
RN 684245-38-3 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



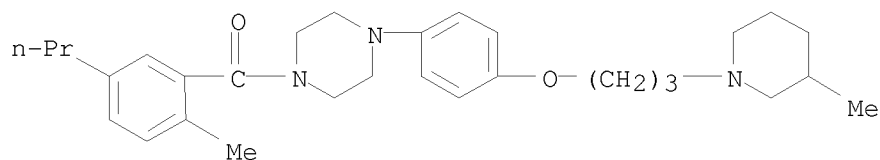
RN 684245-39-4 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-40-7 CAPLUS

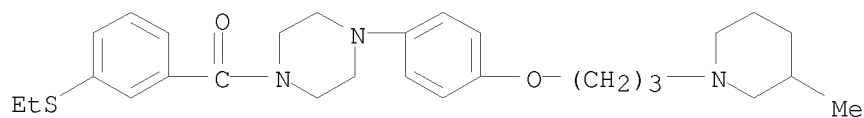
CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-41-8 CAPLUS

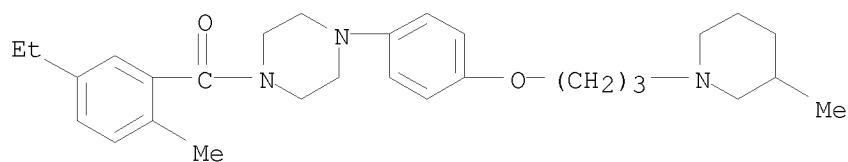
CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



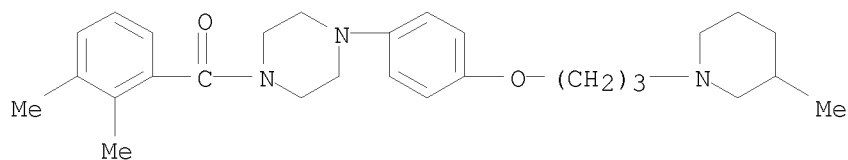
RN 684245-42-9 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



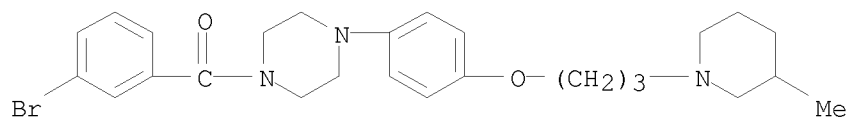
RN 684245-43-0 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



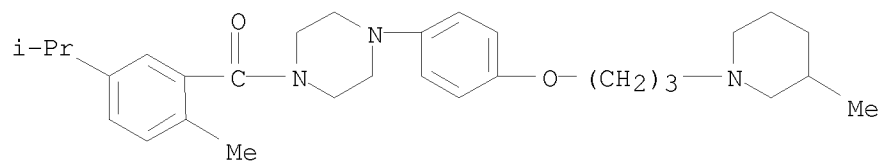
RN 684245-44-1 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-45-2 CAPLUS

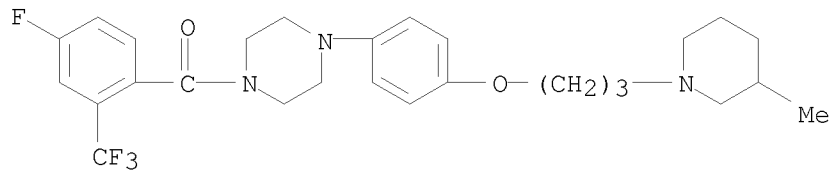
CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



10/531,758

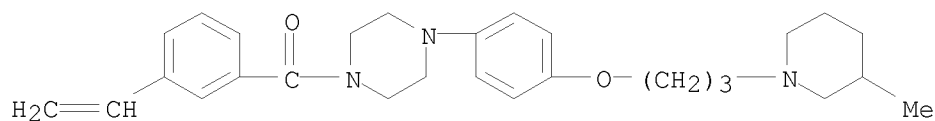
RN 684245-46-3 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



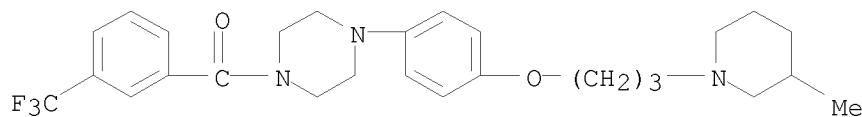
RN 684245-47-4 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



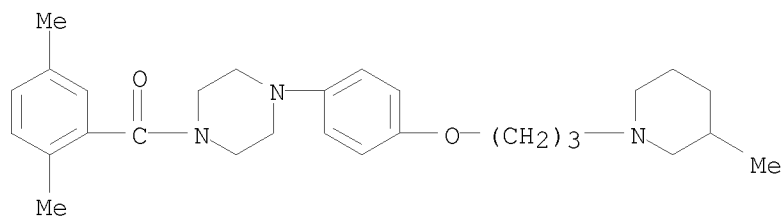
RN 684245-51-0 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-52-1 CAPLUS

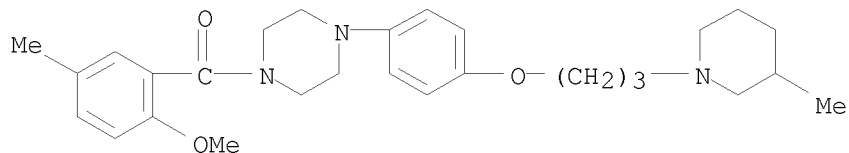
CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-54-3 CAPLUS

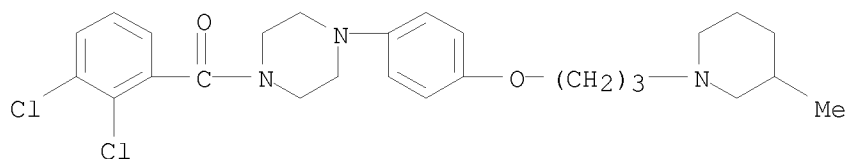
CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



RN 684245-55-4 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



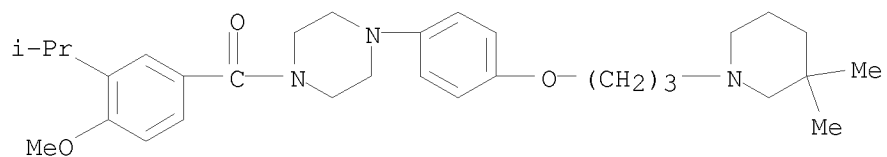
RN 684245-57-6 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-56-5

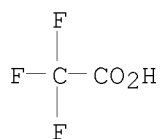
CMF C31 H45 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-59-8 CAPLUS

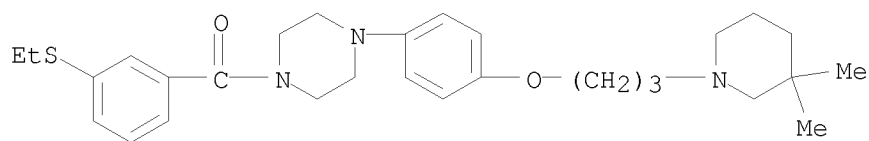
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[3-(ethylthio)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10/531,758

CM 1

CRN 684245-58-7

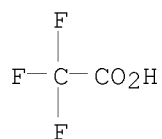
CMF C29 H41 N3 O2 S



CM 2

CRN 76-05-1

CMF C2 H F3 O2



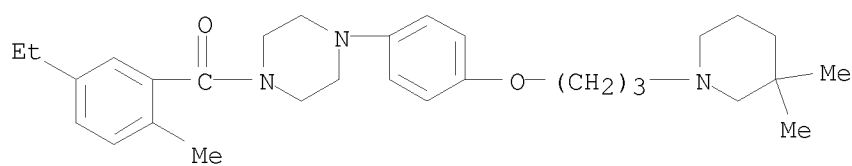
RN 684245-61-2 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(5-ethyl-2-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-60-1

CMF C30 H43 N3 O2

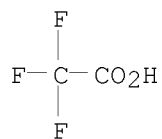


CM 2

CRN 76-05-1

CMF C2 H F3 O2

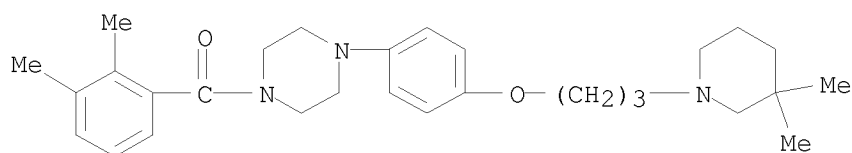
10/531,758



RN 684245-63-4 CAPLUS  
CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

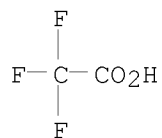
CM 1

CRN 684245-62-3  
CMF C29 H41 N3 O2



CM 2

CRN 76-05-1  
CMF C2 H F3 O2

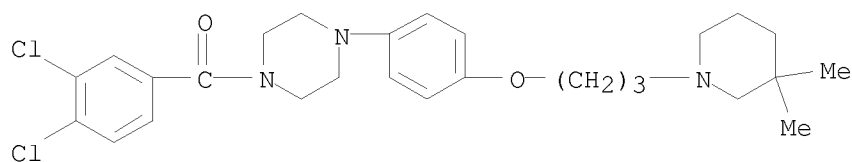


RN 684245-65-6 CAPLUS  
CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-64-5  
CMF C27 H35 Cl2 N3 O2

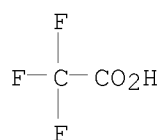
10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



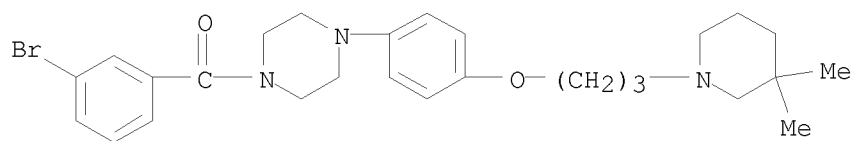
RN 684245-67-8 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-66-7

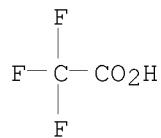
CMF C27 H36 Br N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-69-0 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-

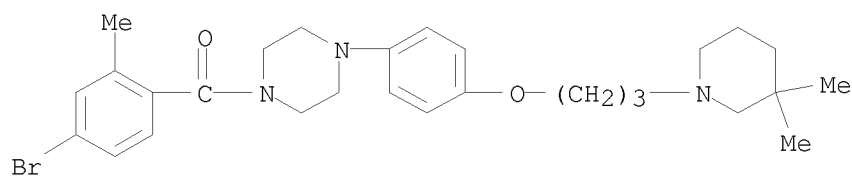
10/531,758

piperidiny]propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-68-9

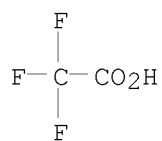
CMF C28 H38 Br N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



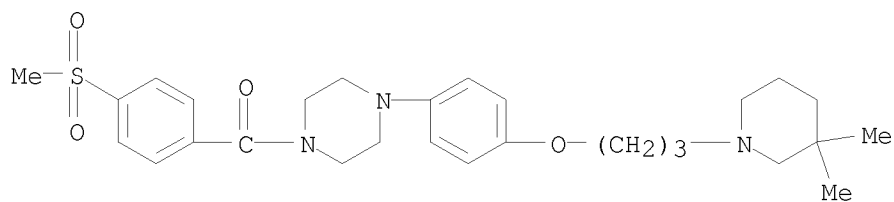
RN 684245-71-4 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidiny)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-70-3

CMF C28 H39 N3 O4 S

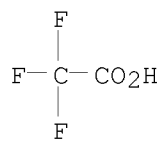


CM 2

CRN 76-05-1

CMF C2 H F3 O2

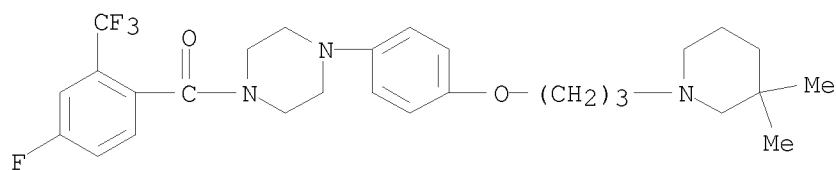
10/531,758



RN 684245-73-6 CAPLUS  
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

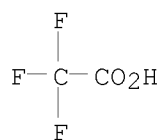
CM 1

CRN 684245-72-5  
CMF C28 H35 F4 N3 O2



CM 2

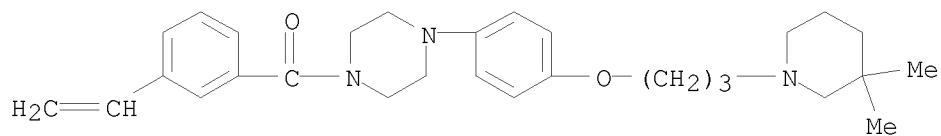
CRN 76-05-1  
CMF C2 H F3 O2



RN 684245-75-8 CAPLUS  
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(3-ethenylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

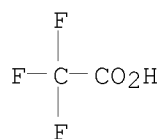
CRN 684245-74-7  
CMF C29 H39 N3 O2



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CM 2

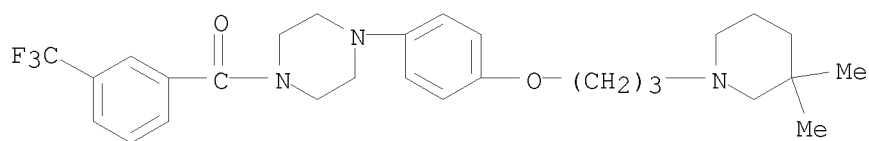
CRN 76-05-1  
CMF C2 H F3 O2



RN 684245-82-7 CAPLUS  
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

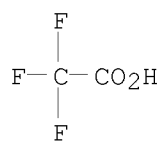
CM 1

CRN 684245-81-6  
CMF C28 H36 F3 N3 O2



CM 2

CRN 76-05-1  
CMF C2 H F3 O2

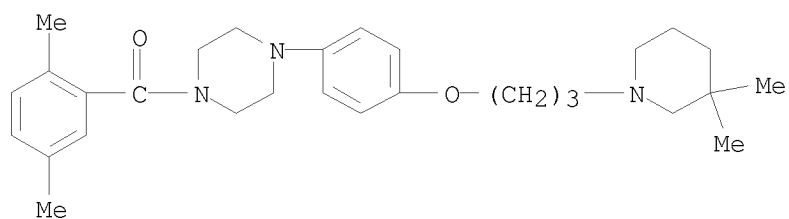


RN 684245-84-9 CAPLUS  
CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-83-8  
CMF C29 H41 N3 O2

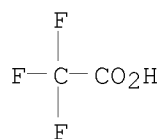
10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



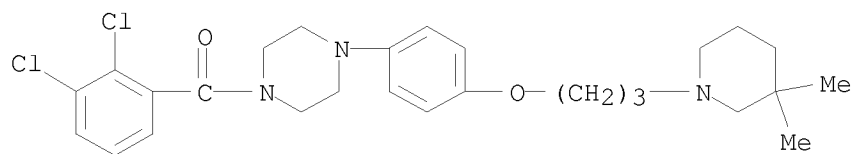
RN 684245-86-1 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-85-0

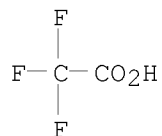
CMF C27 H35 Cl2 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



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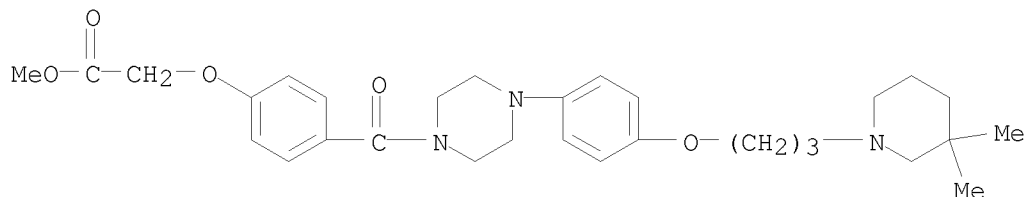
RN 684245-88-3 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-, methyl ester, mono(trifluoroacetate) (9CI)  
(CA INDEX NAME)

CM 1

CRN 684245-87-2

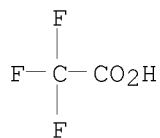
CMF C30 H41 N3 O5



CM 2

CRN 76-05-1

CMF C2 H F3 O2



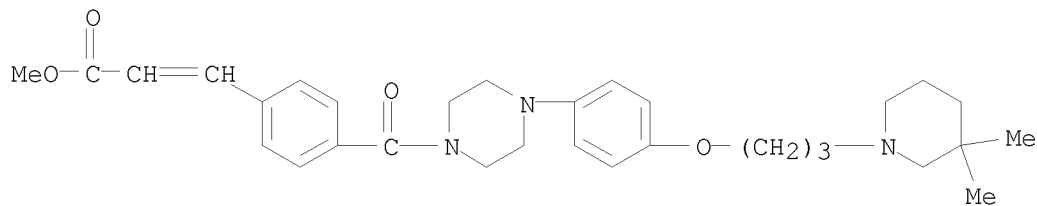
RN 684245-90-7 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-89-4

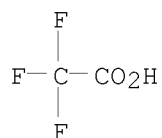
CMF C31 H41 N3 O4



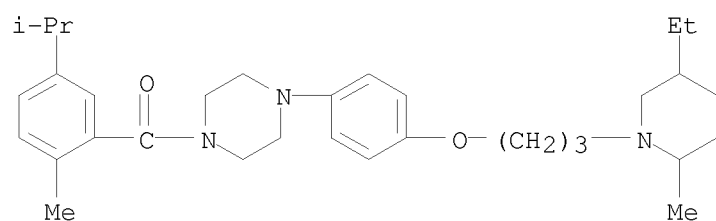
CM 2

10/531,758

CRN 76-05-1  
CMF C2 H F3 O2



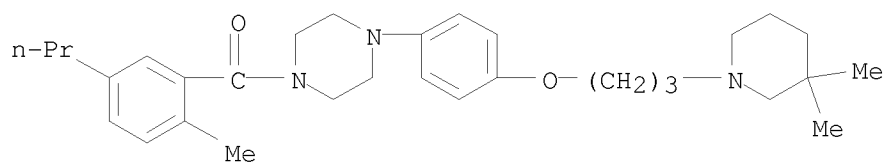
RN 684245-91-8 CAPLUS  
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-93-0 CAPLUS  
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

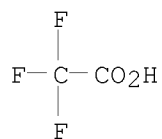
CM 1

CRN 684245-92-9  
CMF C31 H45 N3 O2



CM 2

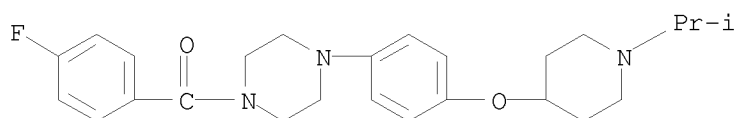
CRN 76-05-1  
CMF C2 H F3 O2



10/531,758

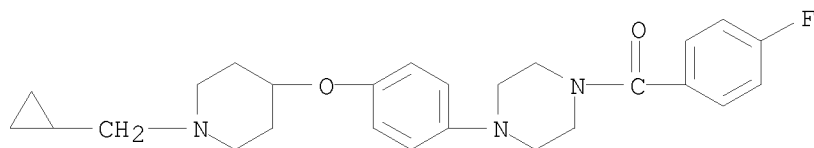
RN 684246-37-5 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



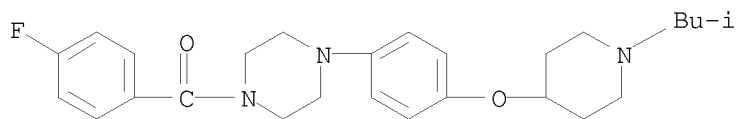
RN 684246-38-6 CAPLUS

CN Piperazine, 1-[4-[[1-(cyclopropylmethyl)-4-piperidinyl]oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



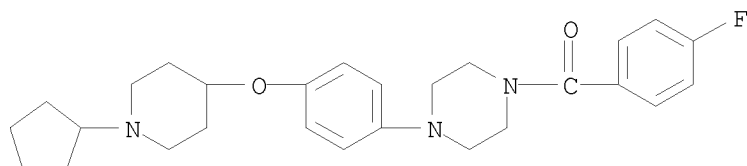
RN 684246-39-7 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[[1-(2-methylpropyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-40-0 CAPLUS

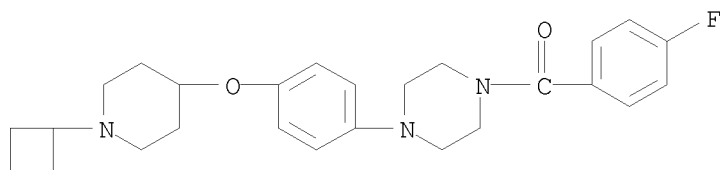
CN Piperazine, 1-[4-[[1-(cyclopentyl)-4-piperidinyl]oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



RN 684246-41-1 CAPLUS

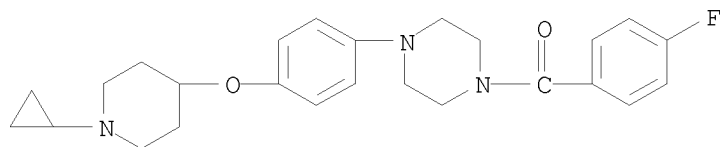
CN Piperazine, 1-[4-[[1-(cyclobutyl)-4-piperidinyl]oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)

10/531,758



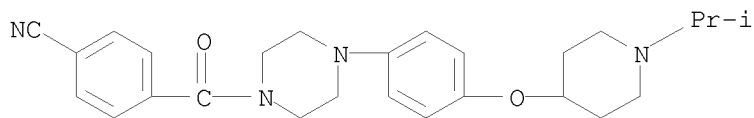
RN 684246-42-2 CAPLUS

CN Piperazine, 1-[4-[(1-cyclopropyl-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



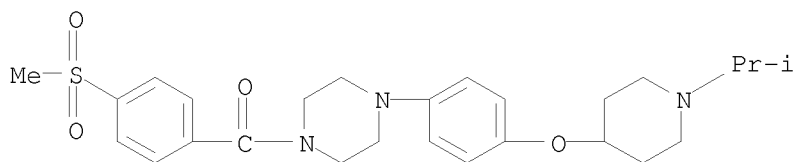
RN 684246-44-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-46-6 CAPLUS

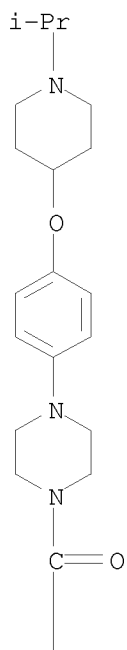
CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (9CI) (CA INDEX NAME)



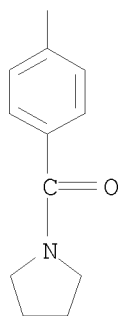
RN 684246-48-8 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

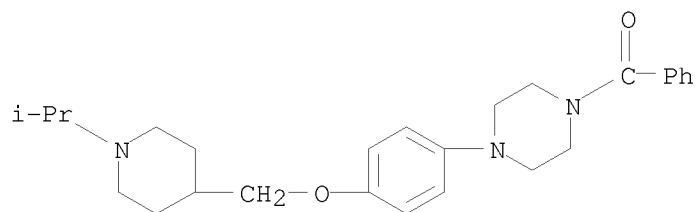


PAGE 2-A



RN 684246-74-0 CAPLUS  
 CN Piperazine, 1-benzoyl-4-[4-[[1-(1-methylethyl)-4-piperidinyloxy]phenyl]- (9CI) (CA INDEX NAME)

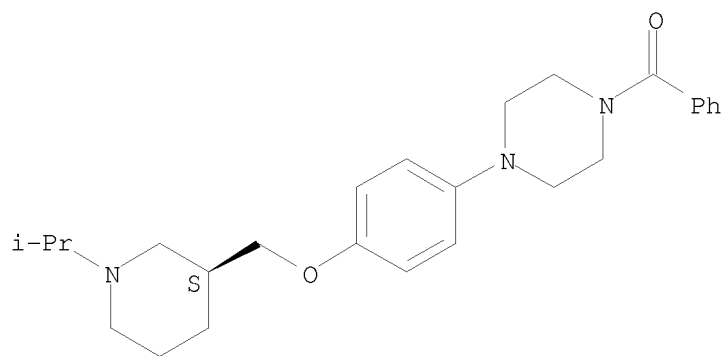
10/531,758



RN 684246-75-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3S)-1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

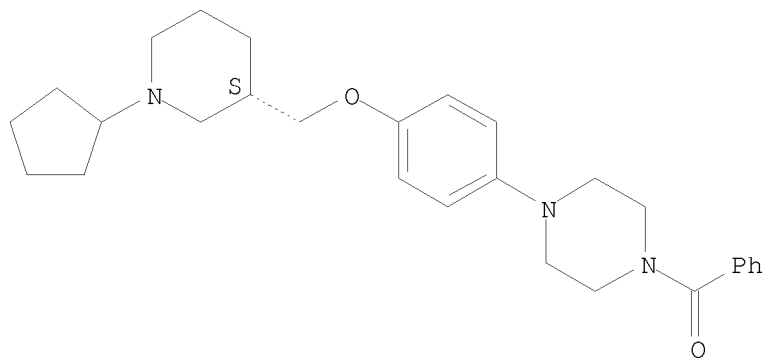
Absolute stereochemistry.



RN 684246-76-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3S)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

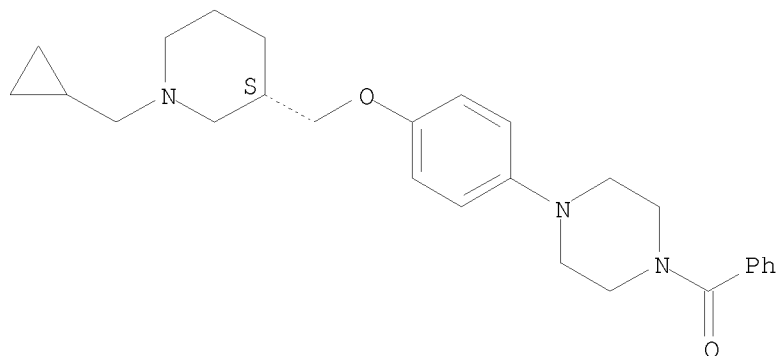


RN 684246-77-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3S)-1-(cyclopropylmethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758

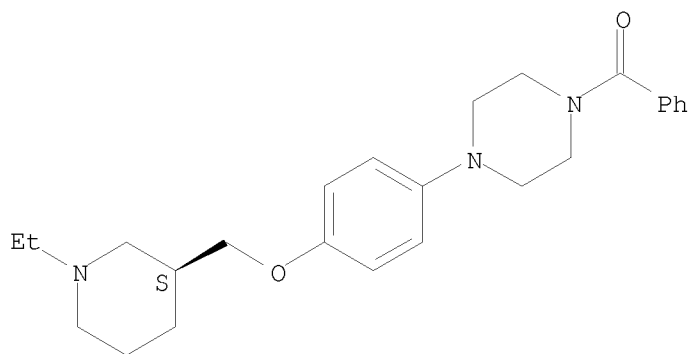
Absolute stereochemistry.



RN 684246-78-4 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3S)-1-ethyl-3-piperidinyl]methoxy]phenyl]-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

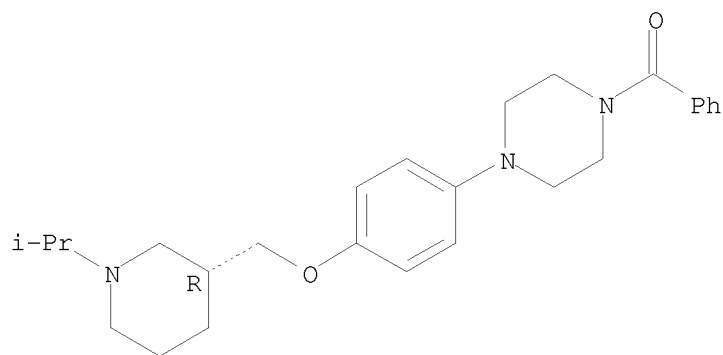


RN 684246-79-5 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3R)-1-(1-methylethyl)-3-  
piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

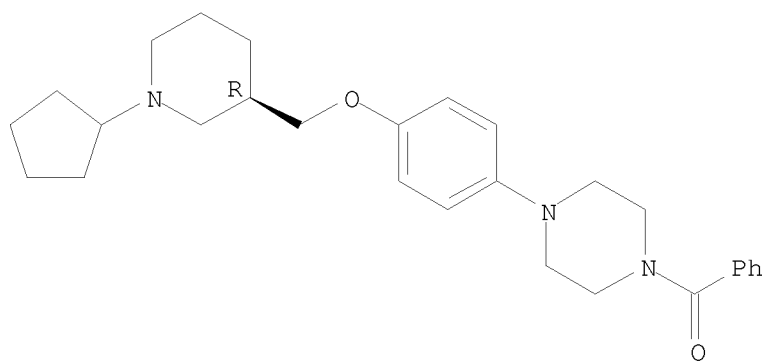
10/531,758



RN 684246-80-8 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3R)-1-cyclopentyl-3-piperidiny]methoxy]phenyl]- (9CI) (CA INDEX NAME)

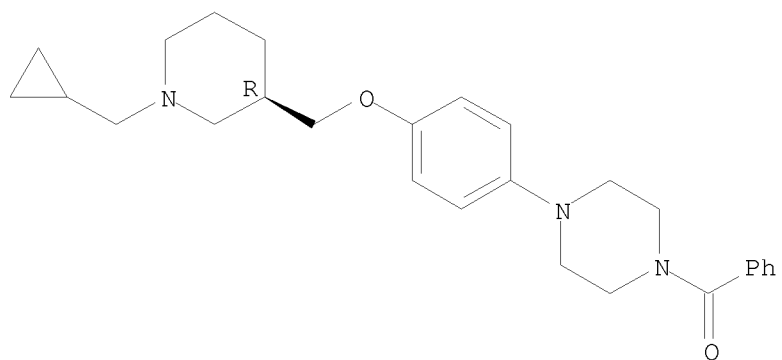
Absolute stereochemistry.



RN 684246-81-9 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3R)-1-(cyclopropylmethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

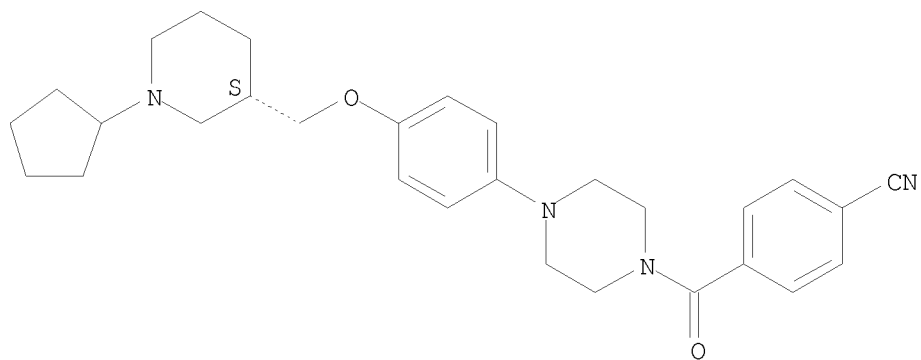


10/531,758

RN 684246-82-0 CAPLUS

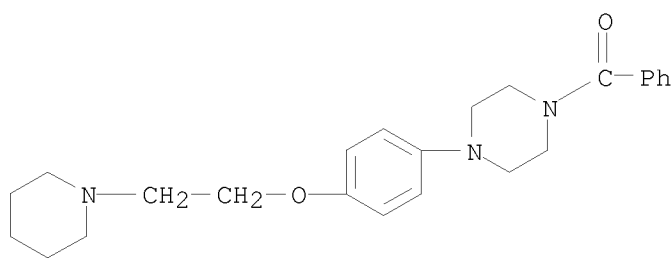
CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[ (3S)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



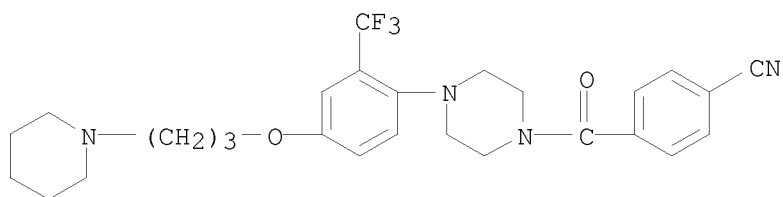
RN 684246-83-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[2-(1-piperidinyl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)



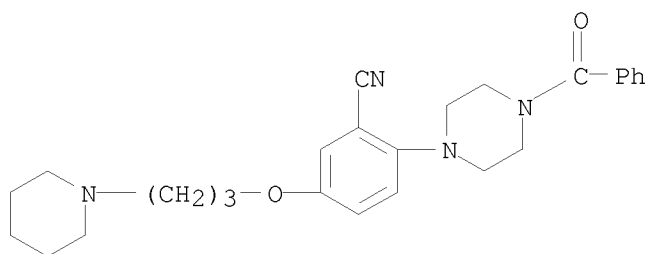
RN 684246-84-2 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



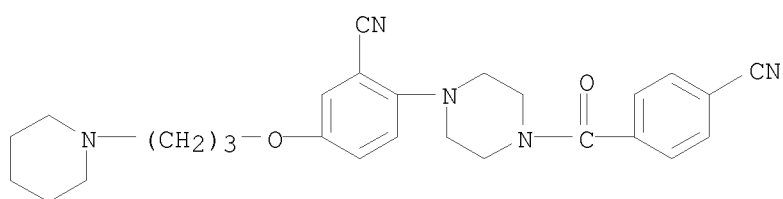
RN 684246-85-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



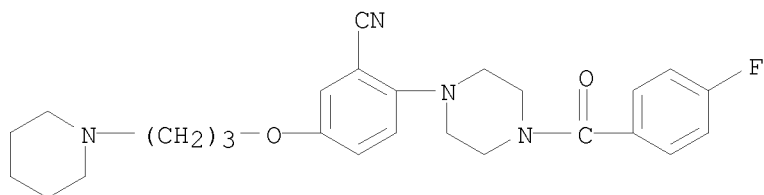
RN 684246-86-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-87-5 CAPLUS

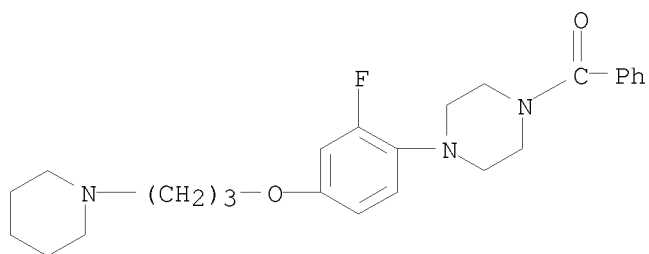
CN Piperazine, 1-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



RN 684246-88-6 CAPLUS

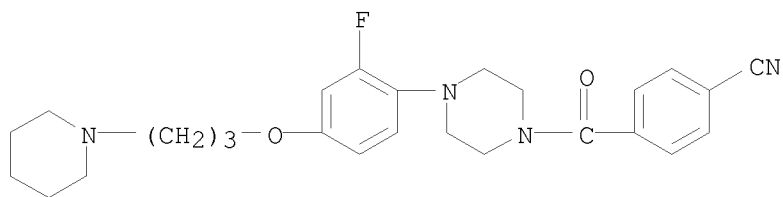
CN Piperazine, 1-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)





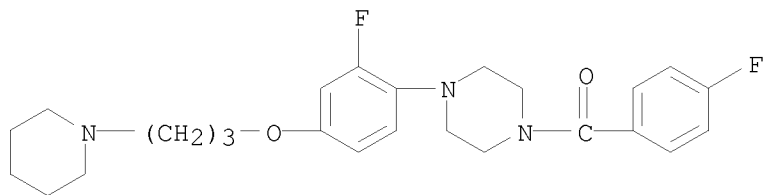
RN 684246-90-0 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



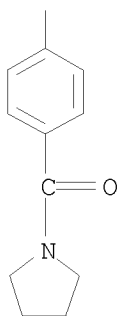
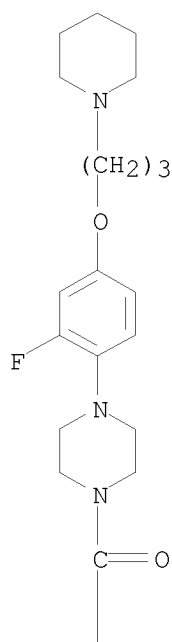
RN 684246-91-1 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-92-2 CAPLUS

CN Piperazine, 1-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

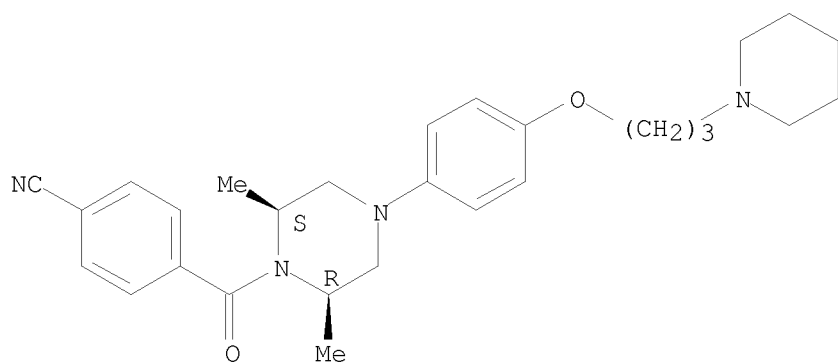


RN 684246-95-5 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,6-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,6S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

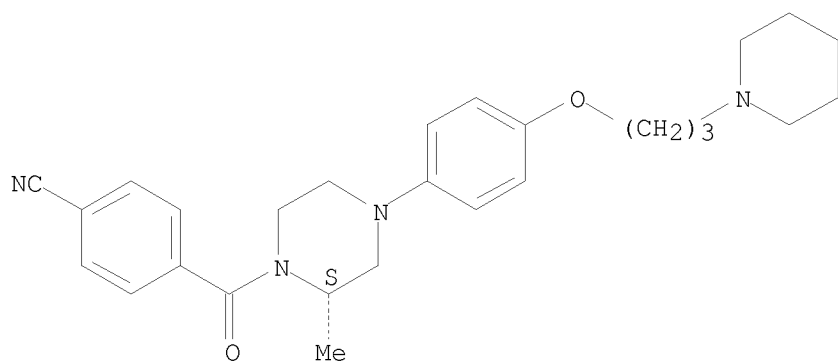
10/531,758



RN 684246-97-7 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

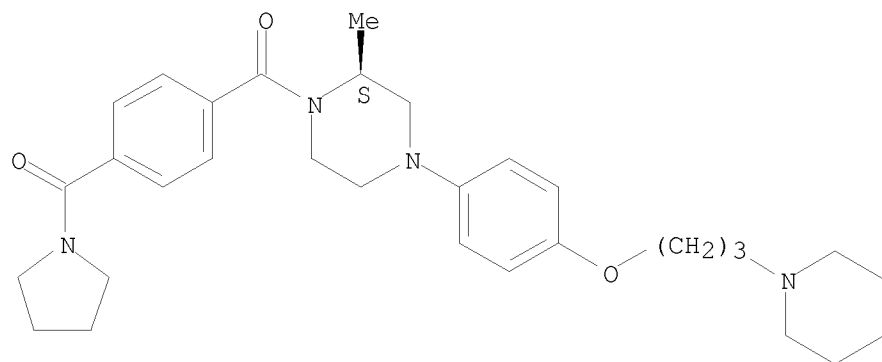
Absolute stereochemistry.



RN 684246-98-8 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

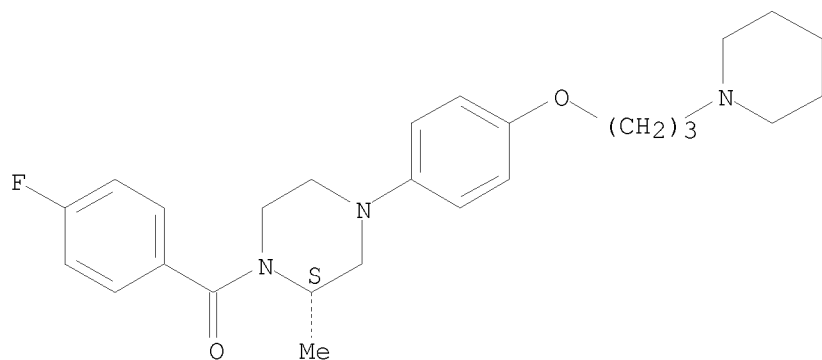


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RN 684247-00-5 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

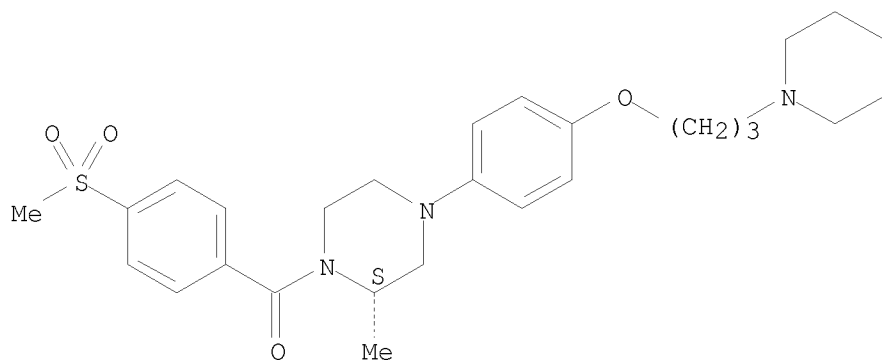
Absolute stereochemistry.



RN 684247-02-7 CAPLUS

CN Piperazine, 2-methyl-1-[4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

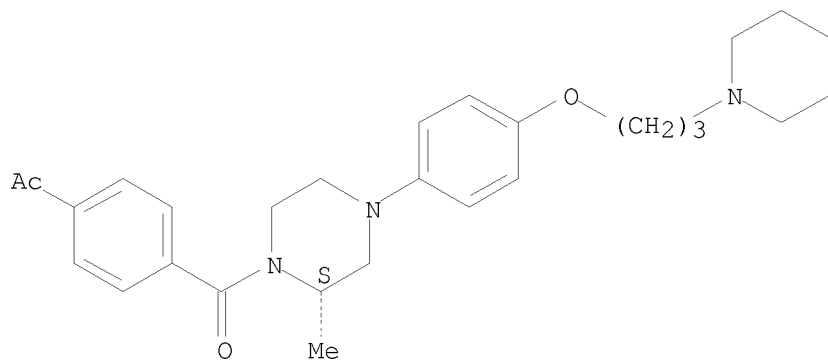


RN 684247-03-8 CAPLUS

CN Piperazine, 1-(4-acetylbenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

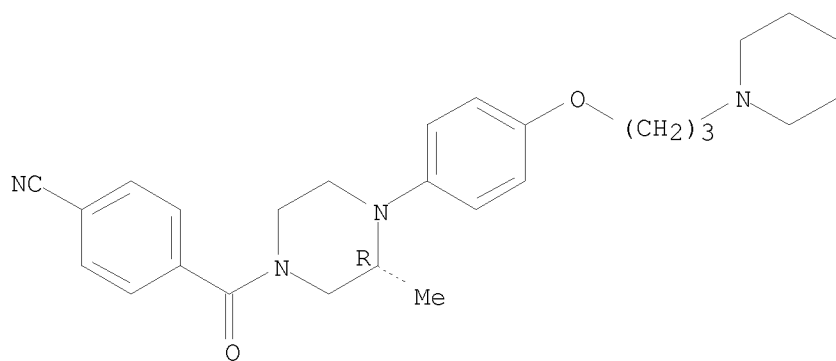
10/531,758



RN 684247-04-9 CAPLUS

CN Piperazine, 4-(4-cyanobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

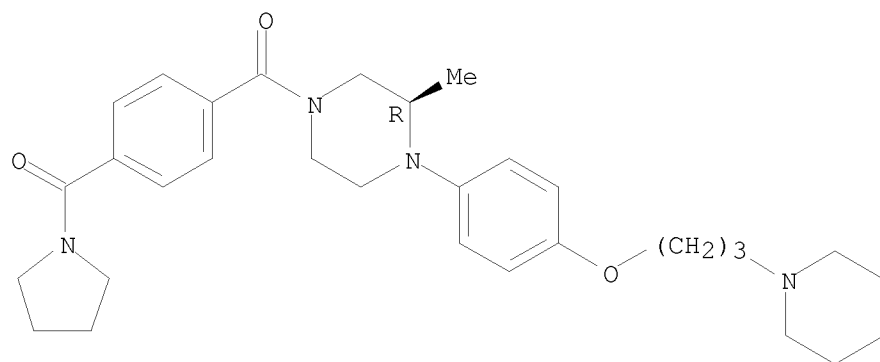
Absolute stereochemistry.



RN 684247-05-0 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R)- (9CI) (CA INDEX NAME)

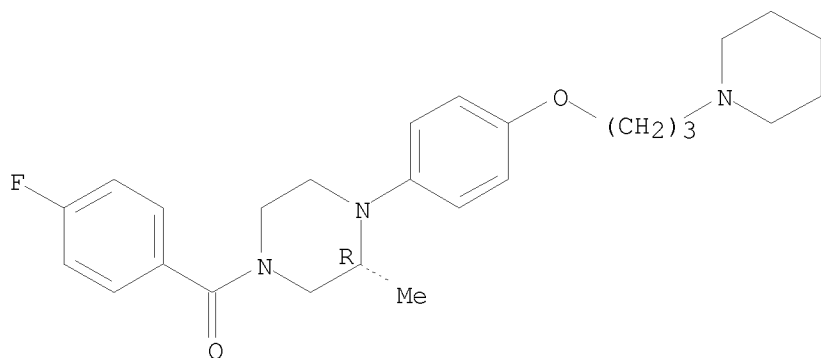
Absolute stereochemistry.



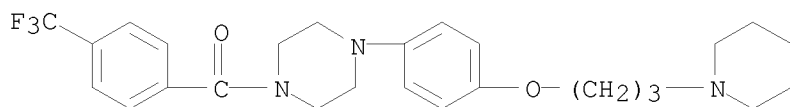
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RN 684247-07-2 CAPLUS  
CN Piperazine, 4-(4-fluorobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

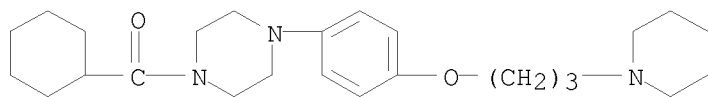
Absolute stereochemistry.



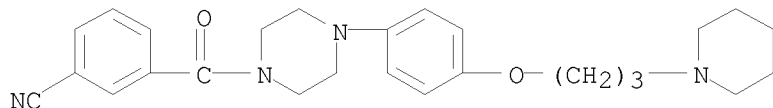
RN 684247-09-4 CAPLUS  
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684247-10-7 CAPLUS  
CN Piperazine, 1-(cyclohexylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

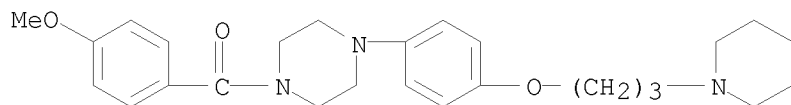


RN 684247-12-9 CAPLUS  
CN Piperazine, 1-(3-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



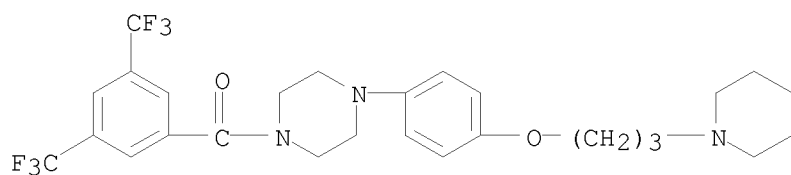
RN 684247-13-0 CAPLUS  
CN Piperazine, 1-(4-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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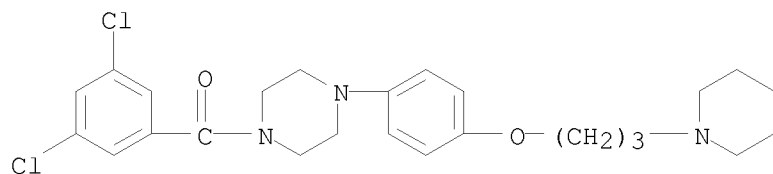
RN 684247-15-2 CAPLUS

CN Piperazine, 1-[3,5-bis(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



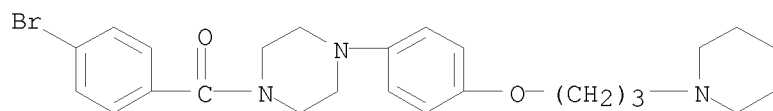
RN 684247-16-3 CAPLUS

CN Piperazine, 1-(3,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



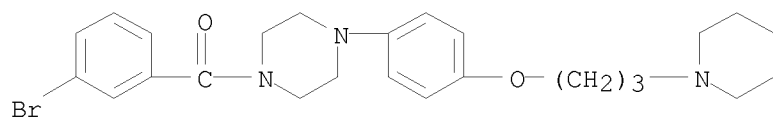
RN 684247-17-4 CAPLUS

CN Piperazine, 1-(4-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-18-5 CAPLUS

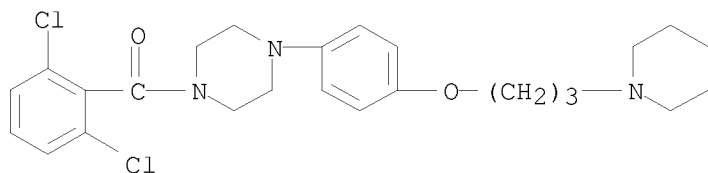
CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-19-6 CAPLUS

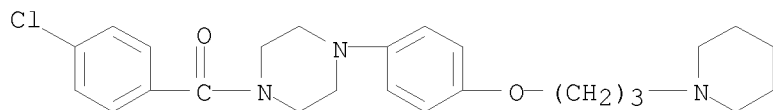
10/531,758

CN Piperazine, 1-(2,6-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



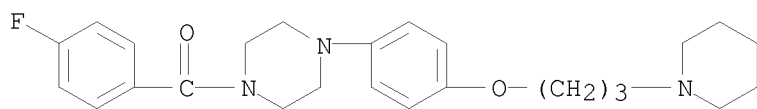
RN 684247-22-1 CAPLUS

CN Piperazine, 1-(4-chlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



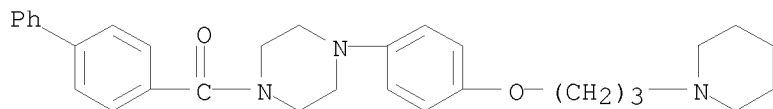
RN 684247-23-2 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



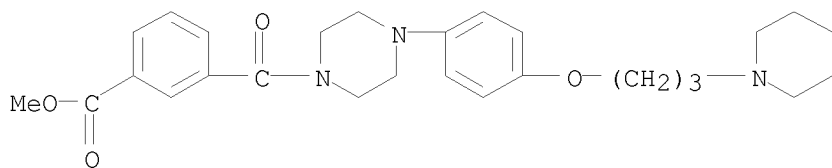
RN 684247-24-3 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-4-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-34-5 CAPLUS

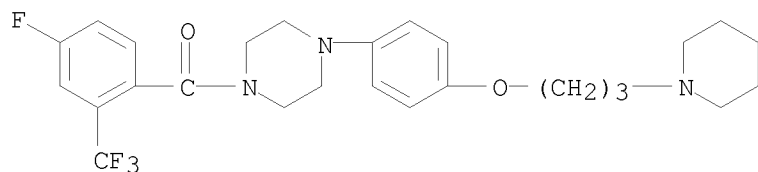
CN Benzoic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



10/531,758

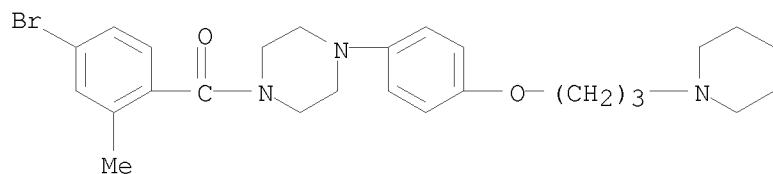
RN 684247-36-7 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



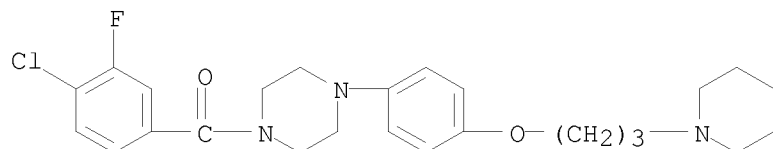
RN 684247-37-8 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



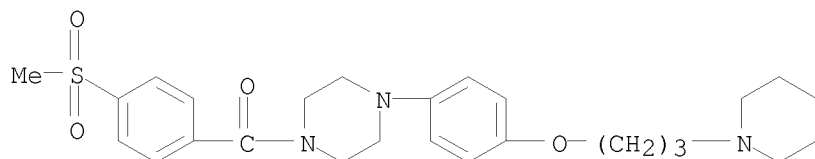
RN 684247-38-9 CAPLUS

CN Piperazine, 1-(4-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-39-0 CAPLUS

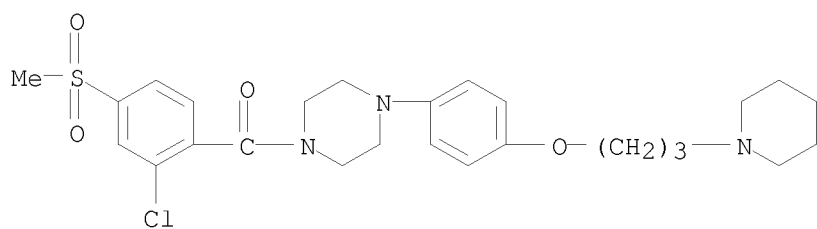
CN Piperazine, 1-[4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-40-3 CAPLUS

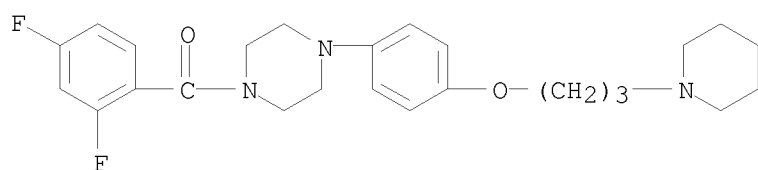
CN Piperazine, 1-[2-chloro-4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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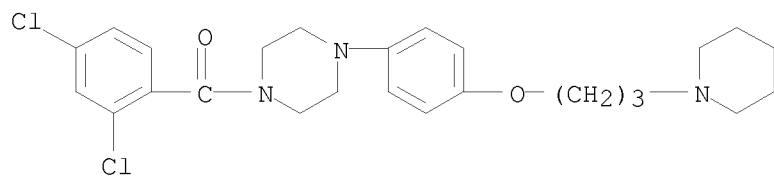
RN 684247-41-4 CAPLUS

CN Piperazine, 1-(2,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



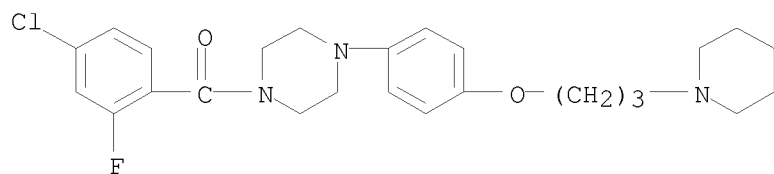
RN 684247-43-6 CAPLUS

CN Piperazine, 1-(2,4-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



RN 684247-44-7 CAPLUS

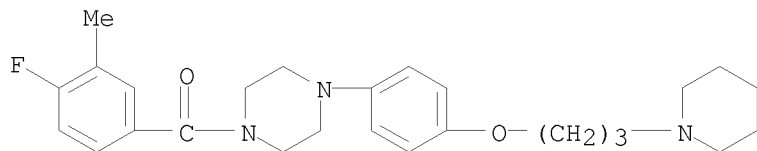
CN Piperazine, 1-(4-chloro-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-45-8 CAPLUS

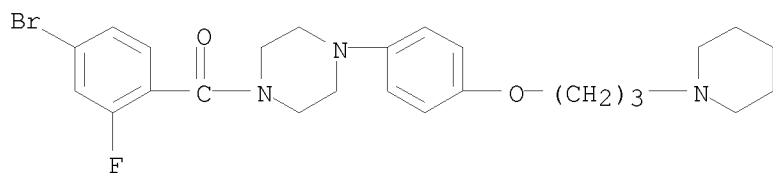
CN Piperazine, 1-(4-fluoro-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



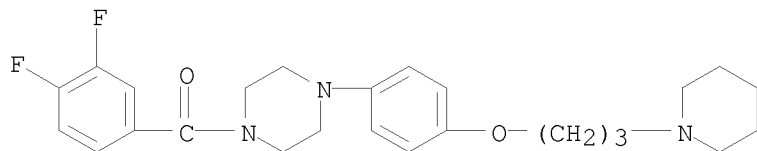
RN 684247-46-9 CAPLUS

CN Piperazine, 1-(4-bromo-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



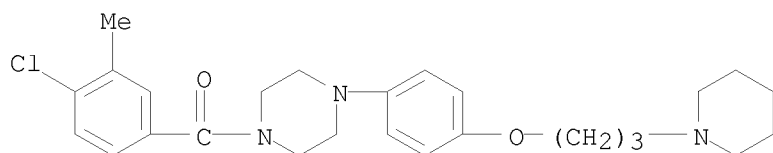
RN 684247-47-0 CAPLUS

CN Piperazine, 1-(3,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



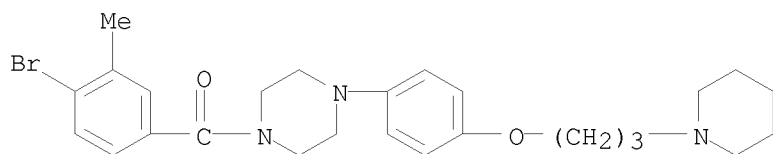
RN 684247-48-1 CAPLUS

CN Piperazine, 1-(4-chloro-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-49-2 CAPLUS

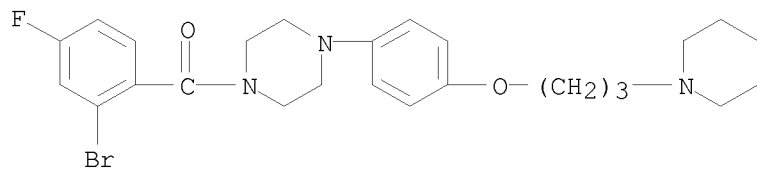
CN Piperazine, 1-(4-bromo-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



10/531,758

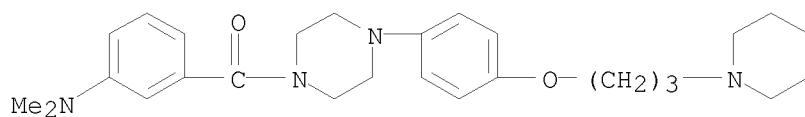
RN 684247-50-5 CAPLUS

CN Piperazine, 1-(2-bromo-4-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



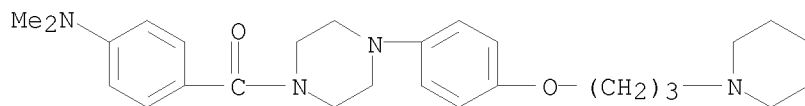
RN 684247-51-6 CAPLUS

CN Piperazine, 1-[3-(dimethylamino)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-52-7 CAPLUS

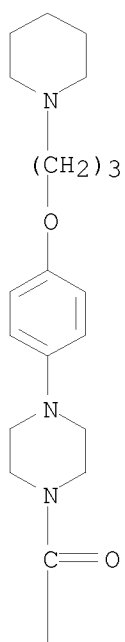
CN Piperazine, 1-[4-(dimethylamino)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



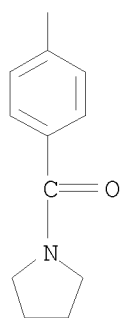
RN 684247-53-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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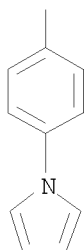
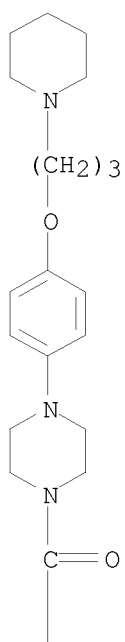


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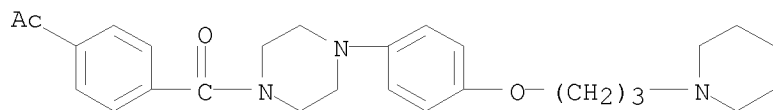


RN 684247-58-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-pyrrol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)

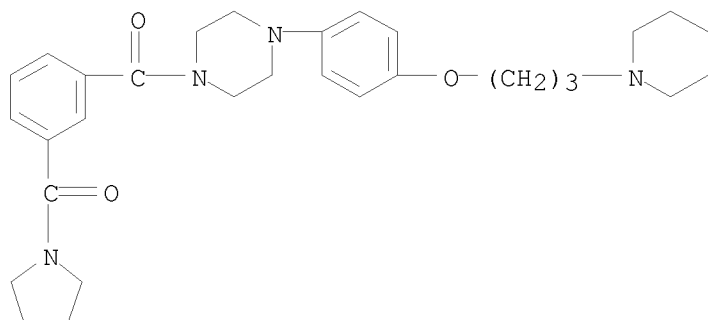


RN 684247-64-1 CAPLUS  
 CN Piperazine, 1-(4-acetylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
 (9CI) (CA INDEX NAME)



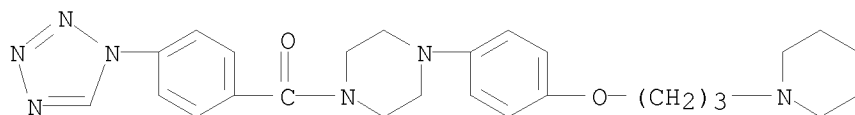
RN 684247-69-6 CAPLUS  
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

10/531,758



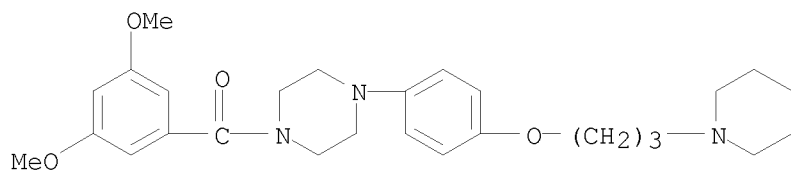
RN 684247-79-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-tetrazol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)



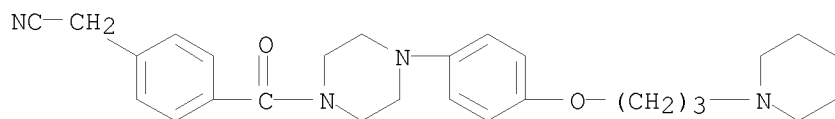
RN 684247-89-0 CAPLUS

CN Piperazine, 1-(3,5-dimethoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-98-1 CAPLUS

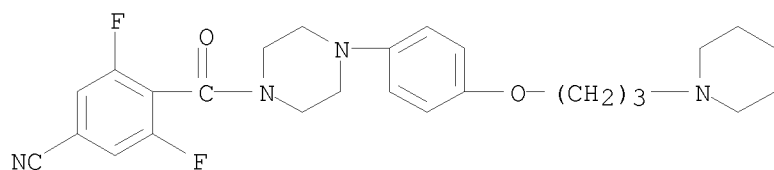
CN Piperazine, 1-[4-(cyanomethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-00-8 CAPLUS

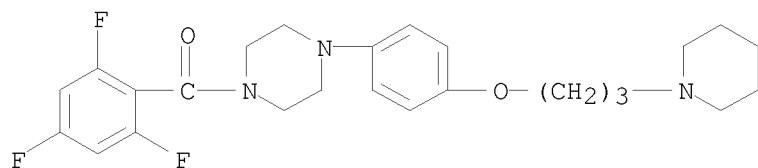
CN Piperazine, 1-(4-cyano-2,6-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



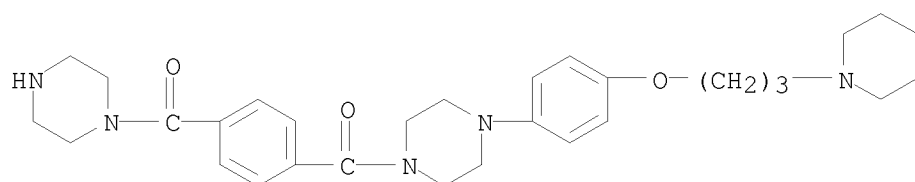
RN 684248-01-9 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2,4,6-trifluorobenzoyl)- (9CI) (CA INDEX NAME)



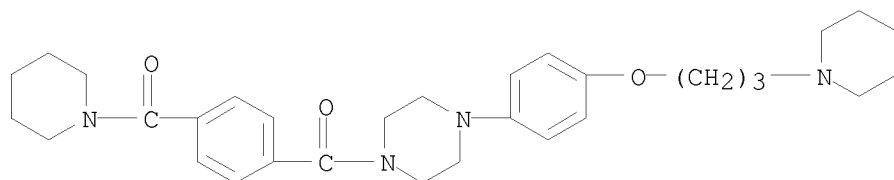
RN 684248-10-0 CAPLUS

CN Piperazine, 1-[4-(1-piperazinylcarbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-11-1 CAPLUS

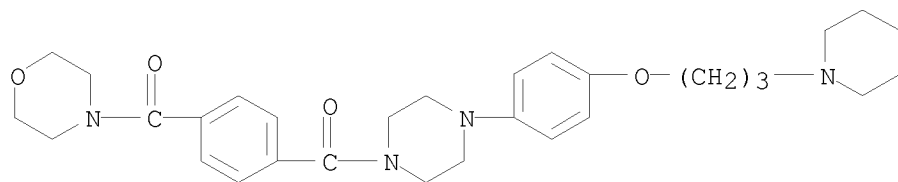
CN Piperazine, 1-[4-(1-piperidinylcarbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-12-2 CAPLUS

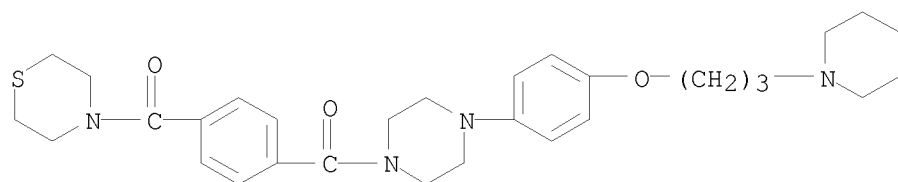
CN Morpholine, 4-[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)

10/531,758



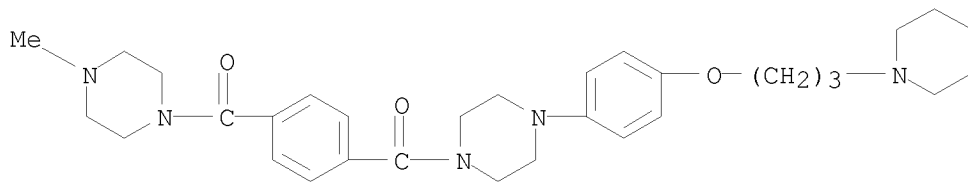
RN 684248-13-3 CAPLUS

CN Thiomorpholine, 4-[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)



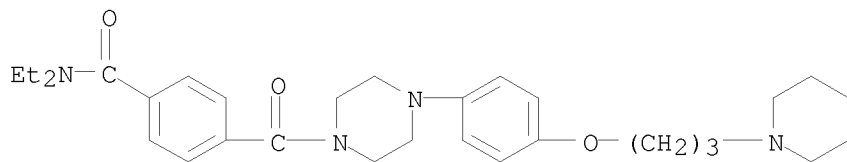
RN 684248-14-4 CAPLUS

CN Piperazine, 1-[4-[(4-methyl-1-piperazinyl)carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-15-5 CAPLUS

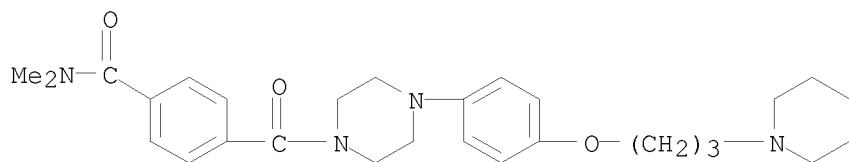
CN Benzamide, N,N-diethyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-16-6 CAPLUS

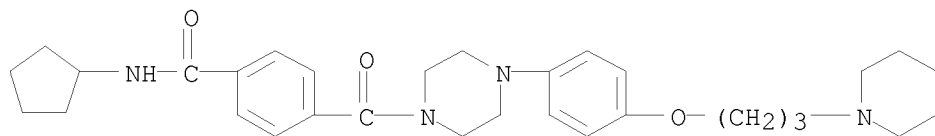
CN Benzamide, N,N-dimethyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)

10/531,758



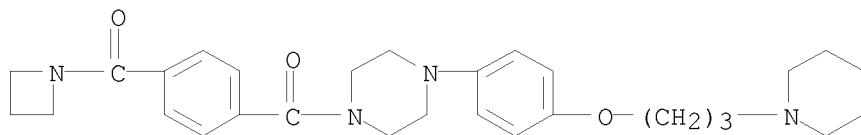
RN 684248-17-7 CAPLUS

CN Benzamide, N-cyclopentyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-18-8 CAPLUS

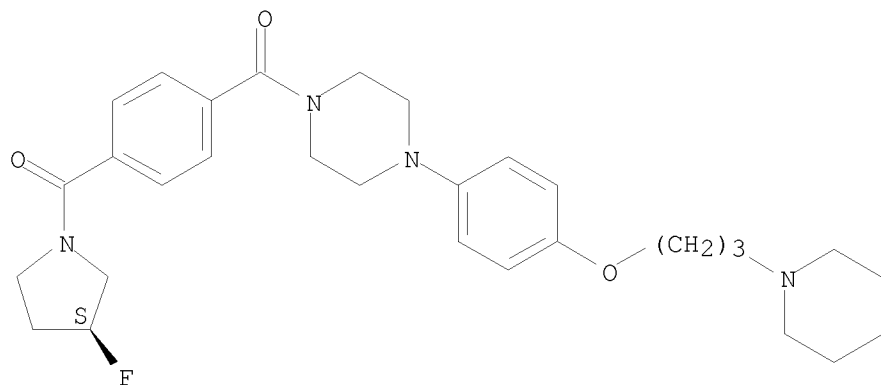
CN Piperazine, 1-[4-(1-azetidiny carbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-19-9 CAPLUS

CN Piperazine, 1-[4-[[[(3S)-3-fluoro-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



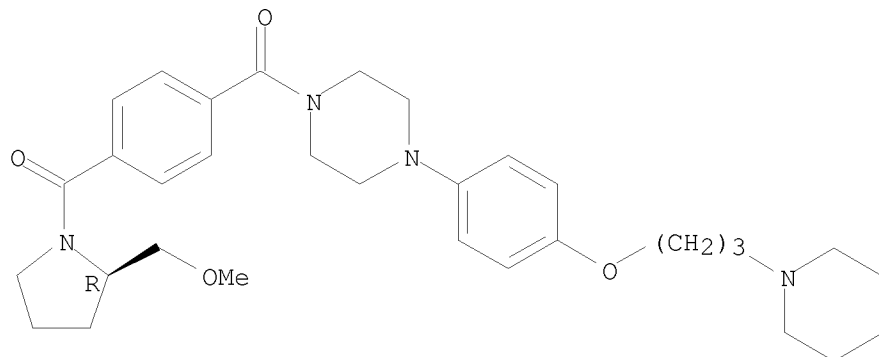
RN 684248-20-2 CAPLUS

CN Piperazine, 1-[4-[[[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]benzoyl]-

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4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

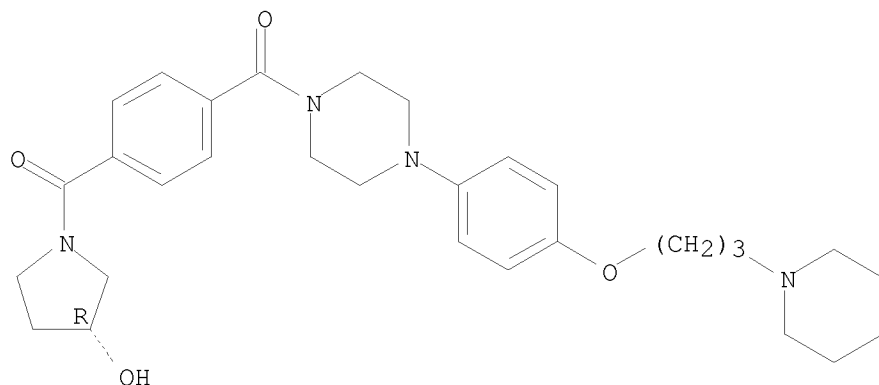
Absolute stereochemistry.



RN 684248-21-3 CAPLUS

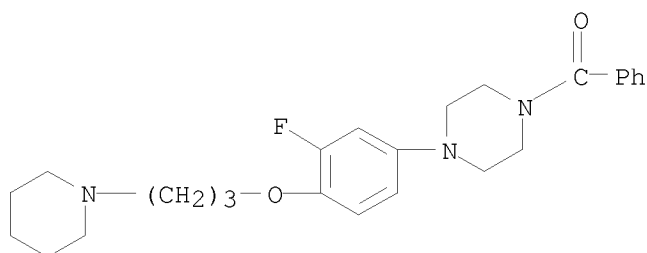
CN Piperazine, 1-[4-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684248-22-4 CAPLUS

CN Piperazine, 1-benzoyl-4-[3-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

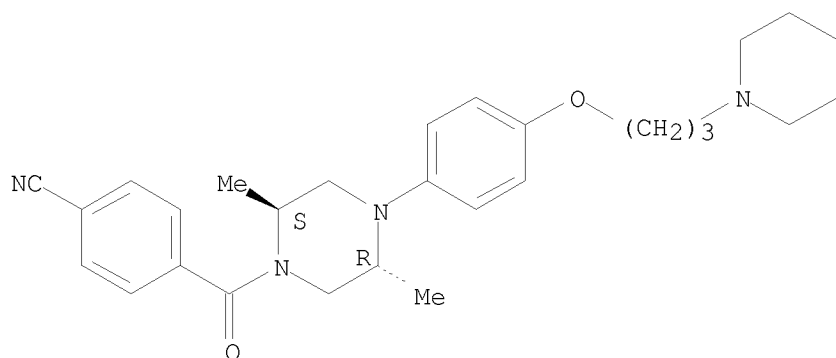


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RN 684248-30-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

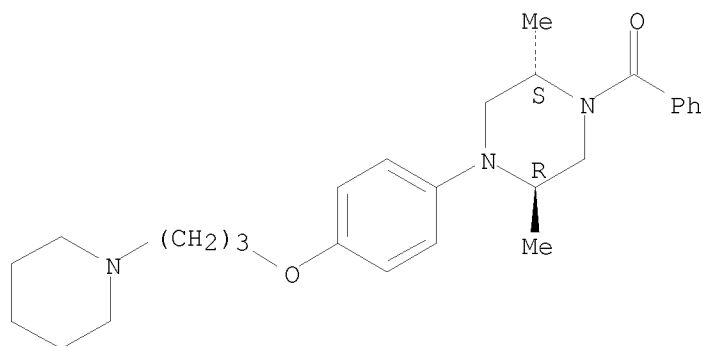
Relative stereochemistry.



RN 684248-31-5 CAPLUS

CN Piperazine, 1-benzoyl-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

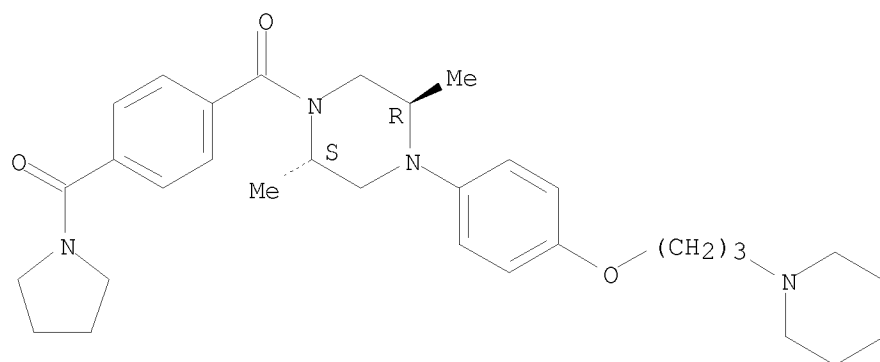


RN 684248-33-7 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

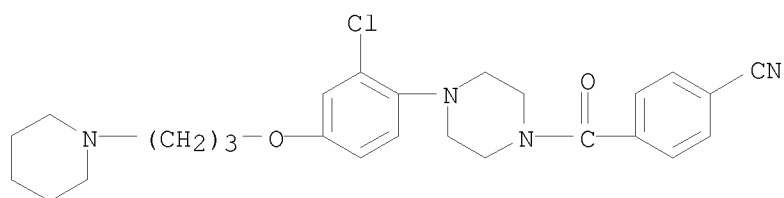
Relative stereochemistry.

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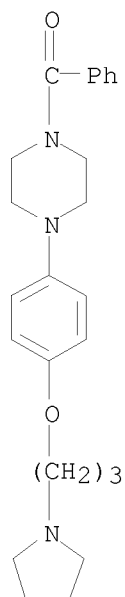
RN 684248-37-1 CAPLUS

CN Piperazine, 1-[2-chloro-4-[3-(1-piperidinyloxy)propoxy]phenyl]-4-(4-cyanobenzoyl)- (9CI) (CA INDEX NAME)



RN 684248-38-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(1-pyrrolidinyloxy)propoxy]phenyl]- (9CI) (CA INDEX NAME)

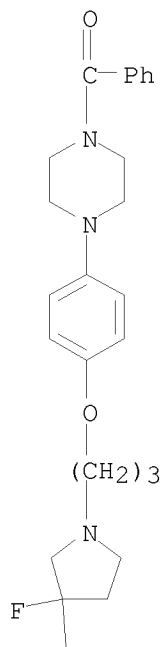


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RN 684248-39-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(3,3-difluoro-1-pyrrolidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)

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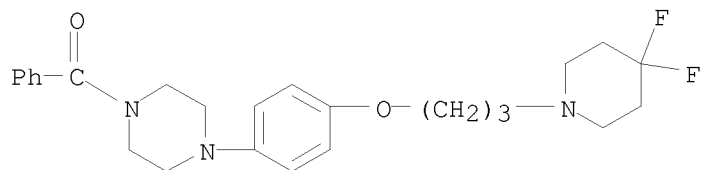


PAGE 2-A



RN 684248-40-6 CAPLUS

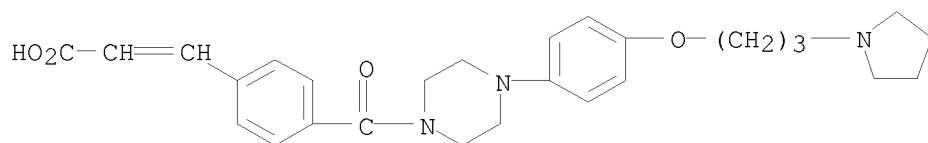
CN Piperazine, 1-benzoyl-4-[4-[3-(4,4-difluoro-1-piperidiny)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



RN 684248-71-3 CAPLUS

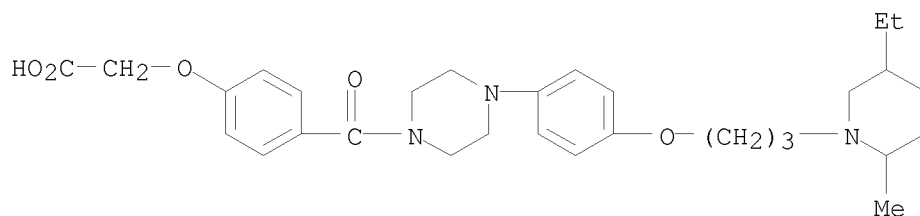
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)

10/531,758



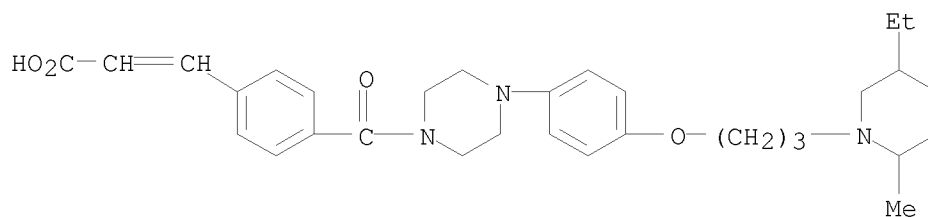
RN 684248-75-7 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-(9CI) (CA INDEX NAME)



RN 684248-76-8 CAPLUS

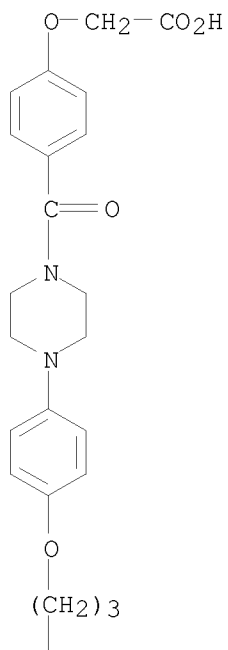
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-(9CI) (CA INDEX NAME)



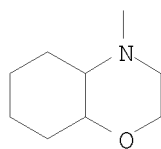
RN 684248-78-0 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-(9CI) (CA INDEX NAME)

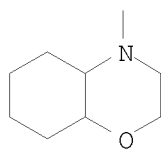
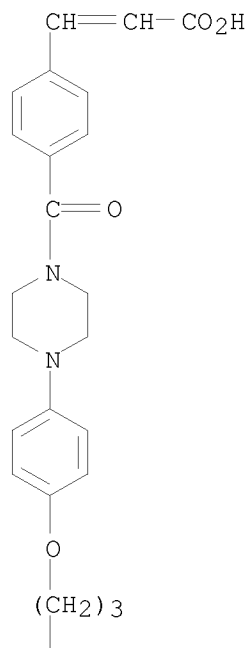
PAGE 1-A



PAGE 2-A

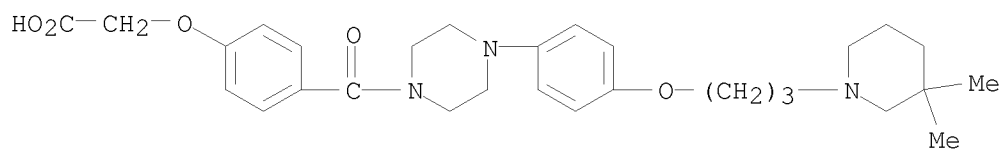


RN 684248-79-1 CAPLUS  
 CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



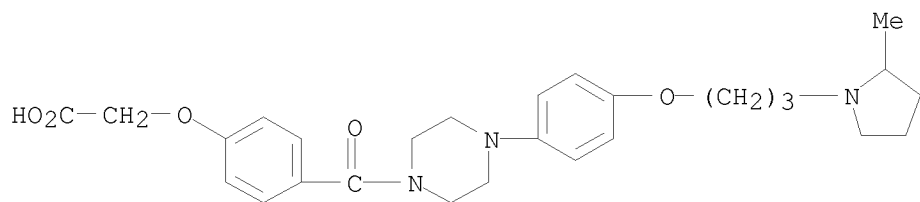
RN 684248-80-4 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



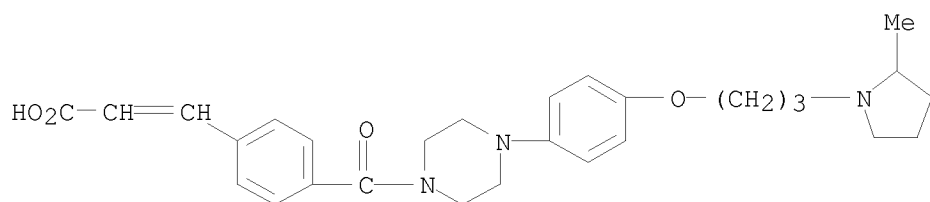
RN 684248-83-7 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



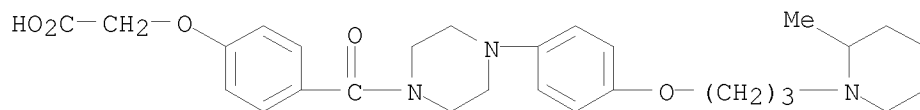
RN 684248-84-8 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



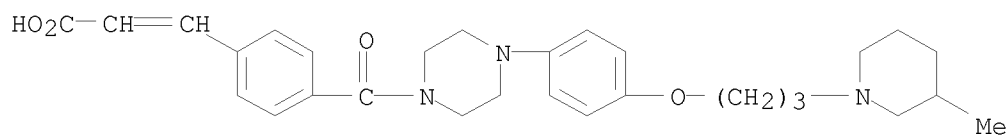
RN 684248-85-9 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(2-methyl-1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



RN 684248-87-1 CAPLUS

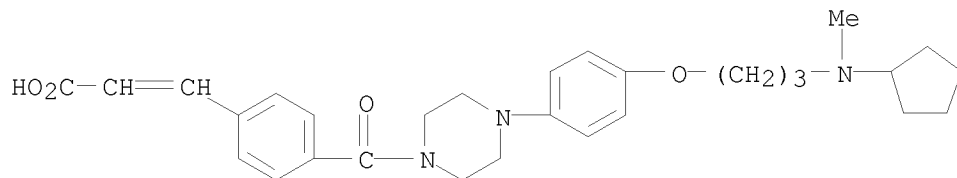
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(3-methyl-1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-88-2 CAPLUS

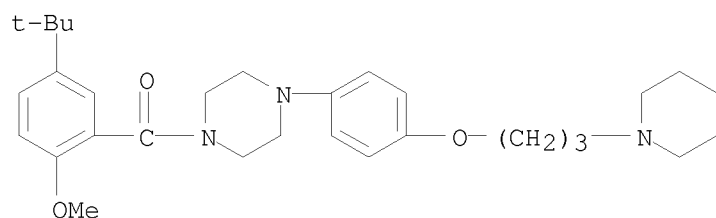
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)

10/531,758



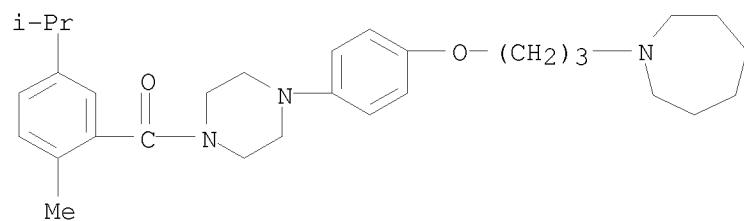
RN 684248-93-9 CAPLUS

CN Piperazine, 1-[5-(1,1-dimethylethyl)-2-methoxybenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



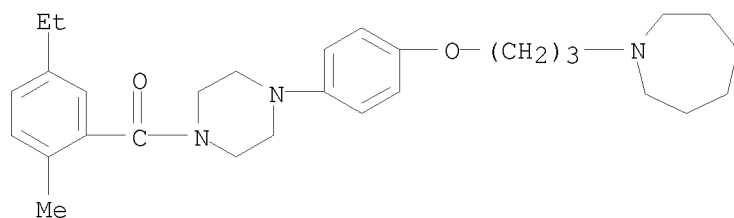
RN 684248-94-0 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684248-95-1 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



IT 684249-42-1P, 4-[4-[(4-Fluorophenyl)carbonyl]-1-piperazinyl]phenol  
684249-43-2P 684249-44-3P 684249-53-4P,  
4-[4-(Phenylcarbonyl)-1-piperazinyl]phenol 684249-54-5P

684249-55-6P 684249-56-7P 684249-57-8P

684249-58-9P, 4-[[4-(4-Hydroxyphenyl)-1-piperazinyl]carbonyl]benzonitrile 684249-59-0P

684249-60-3P 684249-61-4P, 1-[4-[(2-Bromoethyl)oxy]phenyl]-4-(phenylcarbonyl)piperazine 684249-79-4P

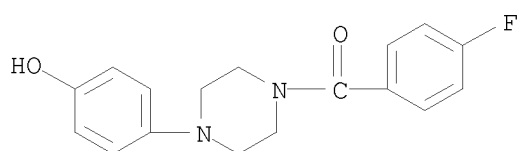
684250-03-1P 684250-04-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted piperazines, [1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists or histamine H3 reverse antagonists)

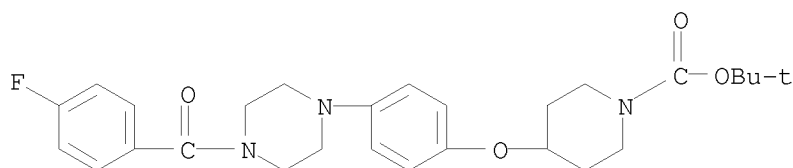
RN 684249-42-1 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



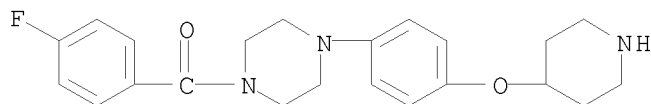
RN 684249-43-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[4-[4-(4-fluorobenzoyl)-1-piperazinyl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-44-3 CAPLUS

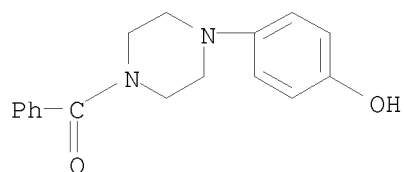
CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-(4-piperidinyloxy)phenyl]- (9CI) (CA INDEX NAME)



RN 684249-53-4 CAPLUS

CN Piperazine, 1-benzoyl-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)

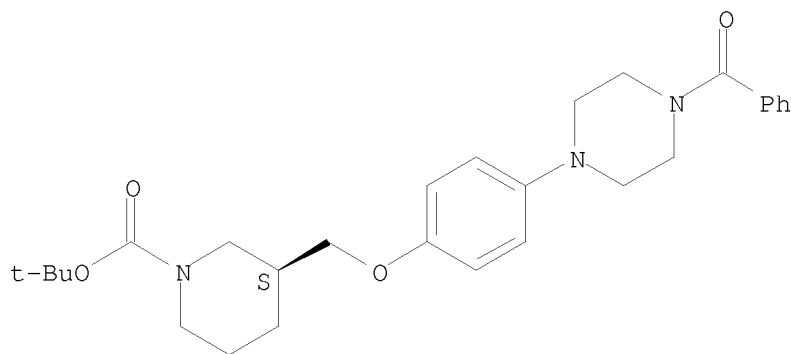
10/531,758



RN 684249-54-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

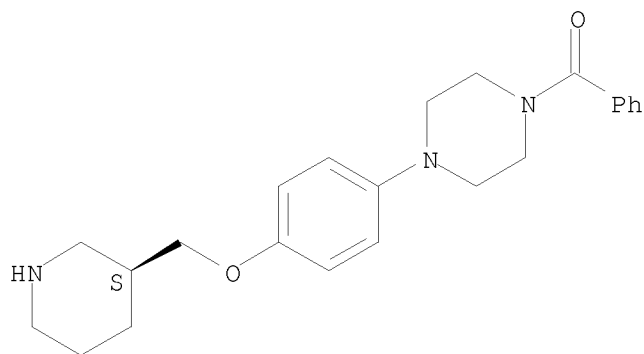
Absolute stereochemistry.



RN 684249-55-6 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

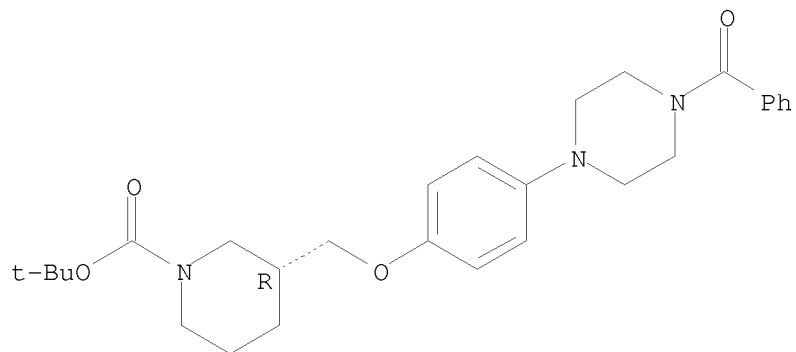


RN 684249-56-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

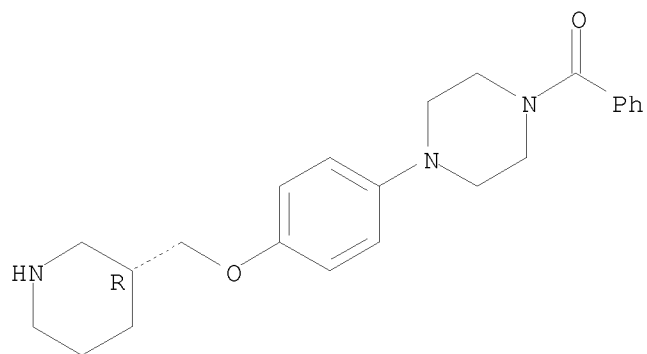
10/531,758

Absolute stereochemistry.

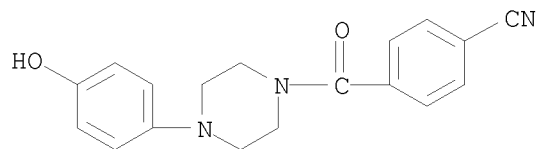


RN 684249-57-8 CAPLUS  
CN Piperazine, 1-benzoyl-4-[4-[(3R)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



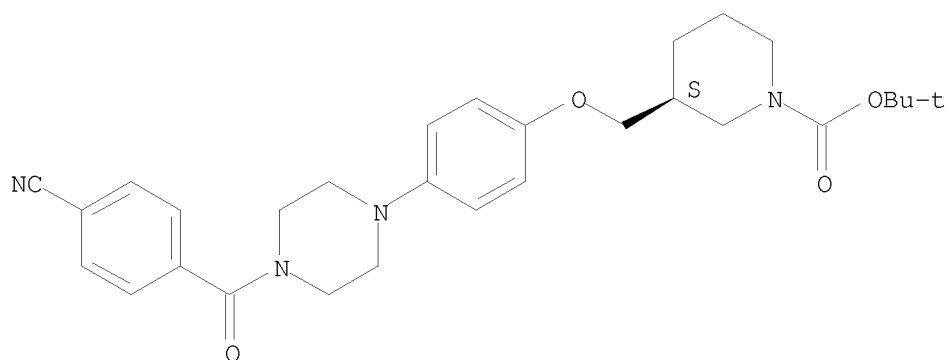
RN 684249-58-9 CAPLUS  
CN Piperazine, 1-(4-cyanobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 684249-59-0 CAPLUS  
CN 1-Piperidinecarboxylic acid, 3-[[4-[4-(4-cyanobenzoyl)-1-piperazinyl]phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.

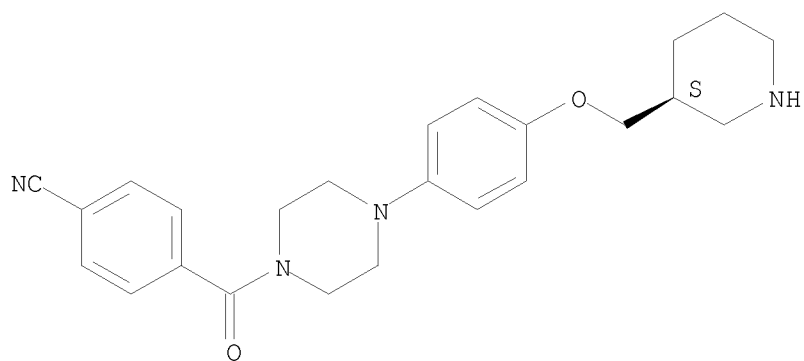
10/531,758



RN 684249-60-3 CAPLUS

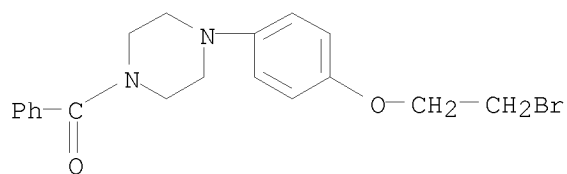
CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684249-61-4 CAPLUS

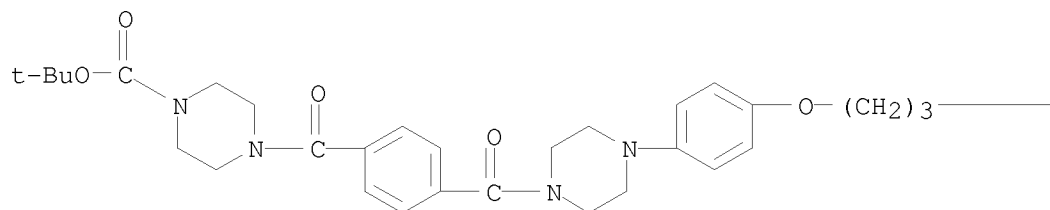
CN Piperazine, 1-benzoyl-4-[4-(2-bromoethoxy)phenyl]- (9CI) (CA INDEX NAME)



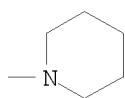
RN 684249-79-4 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
1-piperazinyl]carbonyl]benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

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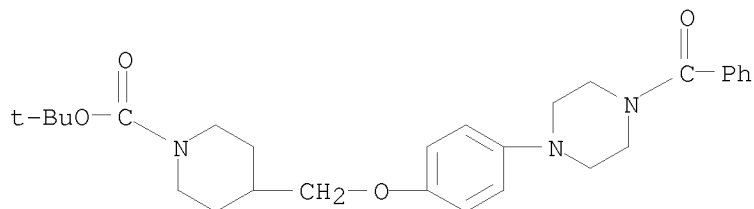


PAGE 1-B



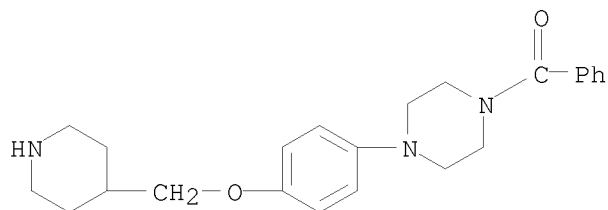
RN 684250-03-1 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684250-04-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-(4-piperidinylmethoxy)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> => d his

(FILE 'HOME' ENTERED AT 14:44:27 ON 18 MAR 2008)

FILE 'REGISTRY' ENTERED AT 14:44:40 ON 18 MAR 2008

L1               STRUCTURE UPLOADED  
L2               50 S L1  
L3               STRUCTURE UPLOADED  
L4               50 S L3  
L5               STRUCTURE UPLOADED  
L6               4 S L5  
L7               2411 S L3 SSS FUL  
L8               83 S L5 FUL SUB=L7  
L9               2328 S L7 NOT L8  
L10              664 S L9 AND CAPLUS/LC  
L11              80 S L8 AND CAPLUS/LC  
L12              3 S L8 NOT L11

FILE 'CAPLUS' ENTERED AT 14:48:21 ON 18 MAR 2008

L13              5 S L8  
L14              121 S L9  
L15              3 S L13 AND L14

FILE 'REGISTRY' ENTERED AT 14:49:44 ON 18 MAR 2008

FILE 'CAPLUS' ENTERED AT 14:51:14 ON 18 MAR 2008

L16              5 S L13 OR L15  
L17              1 S 140:375196/DN  
                  SELECT RN L17 1-

FILE 'REGISTRY' ENTERED AT 14:54:25 ON 18 MAR 2008

L18              200 S E1-200  
L19              200 S E201-400  
L20              200 S E401-600  
L21              232 S E601-832  
L22              832 S L18 OR L19 OR L20 OR L21  
L23              246 S L22 AND L7  
L24              586 S L22 NOT L23  
L25              383 S L24 AND NRS>=2  
L26              1091157 S 46.383/RID  
L27              577 S L22 AND L26  
L28              255 S L22 NOT L27  
L29              58 S L28 AND NRS>1  
L30              29 S L29 AND DIAZEPINE  
L31              29 S L29 NOT L30  
L32              3 S L31 AND DIAZABIC?  
L33              26 S L31 NOT L32  
L34              32 S L30 OR L32

FILE 'CAPLUS' ENTERED AT 15:01:56 ON 18 MAR 2008

L35              11994 S L27  
L36              2 S L34  
L37              ANALYZE L35 1- RN HIT :       577 TERMS

FILE 'REGISTRY' ENTERED AT 15:11:22 ON 18 MAR 2008

L38              5 S 110-85-0/RN OR 57260-71-6/RN OR 31166-44-6/RN OR 21655-48-1/R  
L39              5 S 2815-34-1/RN OR 56621-48-8/RN OR 67914-60-7/RN OR 59817-32-2/

10/531,758

L40 1 S L39 AND ETHANONE  
L41 4 S L39 NOT L40  
L42 568 S L27 NOT (L38 OR L41)

FILE 'CAPLUS' ENTERED AT 15:13:16 ON 18 MAR 2008

L43 186 S L42  
L44 ANALYZE L43 1- RN HIT : 568 TERMS

FILE 'REGISTRY' ENTERED AT 15:13:48 ON 18 MAR 2008

L45 5 S 57536-91-1/RN OR 98223-97-3/RN OR 118306-89-1/RN OR 158985-25  
L46 2 S L45 AND QUINOLINE  
L47 1 S L45 AND NAPHTHAL?  
L48 565 S L42 NOT (L46 OR L47)

FILE 'CAPLUS' ENTERED AT 15:19:13 ON 18 MAR 2008

L49 105 S L48  
L50 78 S L49 AND PATENT/DT  
L51 27 S L49 NOT L50  
L52 16 S L51 NOT (2008/SO OR 2007/SO OR 2006/SO OR 2005/SO OR 2004/SO)

FILE 'REGISTRY' ENTERED AT 15:20:23 ON 18 MAR 2008

L53 550 S L48 AND NRS>2

FILE 'CAPLUS' ENTERED AT 15:21:23 ON 18 MAR 2008

L54 6 S L53

=> d ibib abs hitstr total

L54 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1037074 CAPLUS

DOCUMENT NUMBER: 142:23310

TITLE: Preparation of piperazinyphenyl sulfamate derivatives as steroid sulfatase inhibitors

INVENTOR(S): Takegawa, Shigehiro; Iwashita, Shigeki; Okada, Makoto; Nakagawa, Takayoshi; Koizumi, Naoyuki; Fujii, Tomohito

PATENT ASSIGNEE(S): Teikoku Hormone Mfg. Co., Ltd., Japan

SOURCE: PCT Int. Appl., 112 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

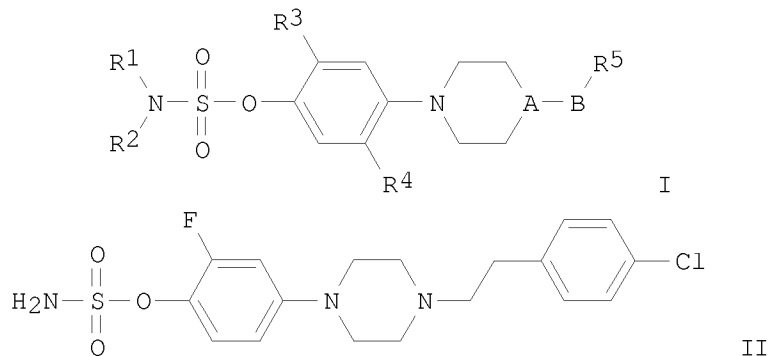
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004103971	A1	20041202	WO 2004-JP6490	20040507
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004240842	A1	20041202	AU 2004-240842	20040507
CA 2526540	A1	20041202	CA 2004-2526540	20040507
EP 1627871	A1	20060222	EP 2004-731745	20040507
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1823039	A	20060823	CN 2004-80020584	20040507
US 2006189625	A1	20060824	US 2005-558253	20051121
PRIORITY APPLN. INFO.:			JP 2003-143503	A 20030521
			WO 2004-JP6490	W 20040507
OTHER SOURCE(S):		MARPAT 142:23310		

GI

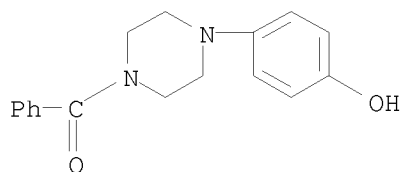


AB The title compds. with general formula I [wherein R1 and R2 = independently H or alkyl; R3 and R4 = independently H, halo, CN, or alkyl; A = N or CH; B = CH<sub>2</sub>, SO<sub>2</sub>, CO, CH=CH, or (un)substituted phenylene; R5 = H, alkyl, (un)substituted phenylalkyl, benzoylalkyl, cycloalkylalkyl, or piperidinylalkyl], or salts thereof are prepared as steroid sulfatase inhibitors. For example, the compound II was prepared in a multi-step synthesis. Some of compds. I showed strong steroid sulfatase inhibitory activity. I are useful for the treatment for diseases in which steroids such as estrogen and androgen participate (no data). Formulations containing I as an active ingredient were also described.

IT 684249-53-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; preparation of piperazinyphenyl sulfamate derivs. as steroid sulfatase inhibitors)

RN 684249-53-4 CAPLUS

CN Piperazine, 1-benzoyl-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L54 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:550956 CAPLUS

DOCUMENT NUMBER: 141:89276

TITLE: Preparation of quinolizidine derivatives as histamine H3 receptor ligands

INVENTOR(S): Best, Desmond John; Orlek, Barry Sidney

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

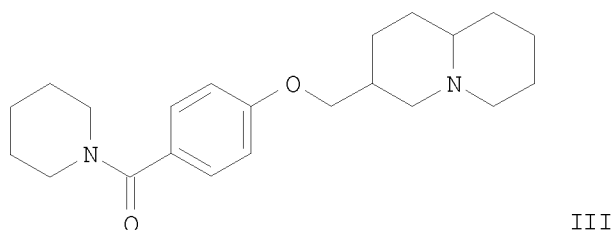
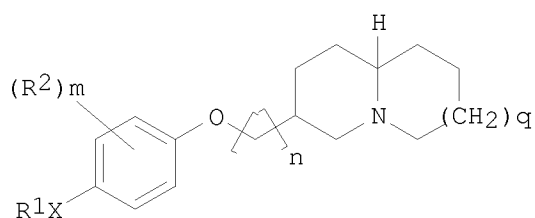
DOCUMENT TYPE: Patent

LANGUAGE: English

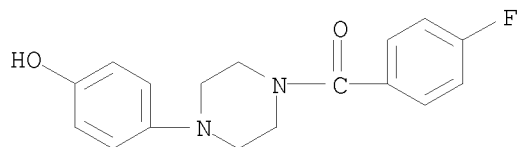
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056821	A2	20040708	WO 2003-EP14561	20031218
WO 2004056821	A3	20040812		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003290095	A1	20040714	AU 2003-290095	20031218
PRIORITY APPLN. INFO.:			GB 2002-29822	A 20021220
			WO 2003-EP14561	W 20031218
OTHER SOURCE(S):			MARPAT 141:89276	
GI				



- AB The present invention relates to novel quinolizidine derivs., such as I [R1 = cycloalkyl, heteroaryl, heterocyclyl, heteroaryl-Y-(hetero)aryl, heteroaryl-Y-cycloalkyl, heterocyclyl-Y-heterocyclyl, cycloalkyl-Y-cycloalkyl, cycloalkyl-Y-aryl, CONR3R4; R2 = halo, alkyl, alkoxy, cyano, amino, trifluoromethyl; R3, R4 = H, alkyl, cycloalkyl, aryl, heteroaryl, heterocyclyl; m = 0-2, n = 0-2; Q = 0-1; X = bond, CO, CH2, O, CH2CO, SO2, CH2O, OCH2, Y = CH2, CO, SO2, CONR5; R5 = H, alkyl, cycloalkyl, aryl, heteroaryl, heterocyclyl], having pharmacol. activity, processes for their preparation, to compns. containing them and to their use in the treatment of neurol. and psychiatric disorders. Thus, 3-(4-cyanophenoxymethyl)-quinolizidine, obtained by the reaction of 3-hydroxyquinolizidine and 4-fluorobenzonitrile, was hydrolyzed with concentrated HCl to provide 3-(4-carboxyphenoxymethyl)-quinolizidine hydrochloride (II). II was reacted with piperidine to afford quinolizidine derivative III.HCl which exhibit pKb of  $\geq 8.5$  in the histamine H3 functional antagonist assay.
- IT 684249-42-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of quinolizidine derivs. as histamine H3 receptor ligands)
- RN 684249-42-1 CAPLUS
- CN Piperazine, 1-(4-fluorobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



L54 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:354923 CAPLUS

DOCUMENT NUMBER: 140:375196

TITLE: Preparation of substituted piperazines,  
[1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes  
as histamine H1 and/or H3 antagonists or histamine H3  
reverse antagonists

INVENTOR(S): Ancliff, Rachael; Eldred, Colin David; Fogden, Yvonne  
C.; Hancock, Ashley Paul; Heightman, Thomas Daniel;  
Hobbs, Heather; Hodgson, Simon Teanby; Lindon, Matthew  
J.; Wilson, David Matthew

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 140 pp.

CODEN: PIXXD2

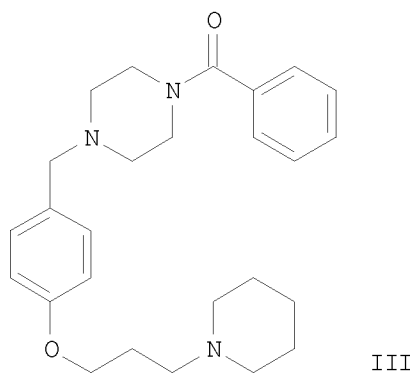
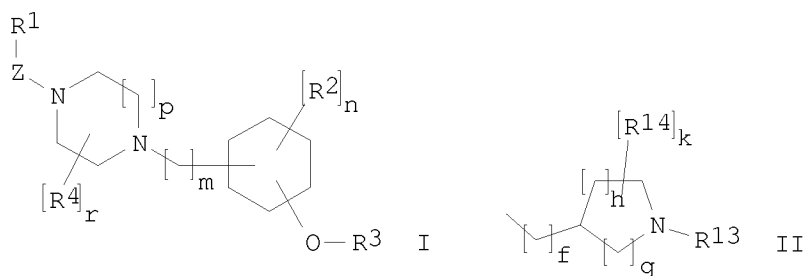
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035556	A1	20040429	WO 2003-EP11423	20031014
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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CA 2502249	A1	20040429	CA 2003-2502249	20031014
AU 2003280380	A1	20040504	AU 2003-280380	20031014
BR 2003015283	A	20050830	BR 2003-15283	20031014
EP 1567511	A1	20050831	EP 2003-772221	20031014
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1726201	A	20060125	CN 2003-80106014	20031014
JP 2006508935	T	20060316	JP 2004-544241	20031014
NZ 539446	A	20061130	NZ 2003-539446	20031014
CN 101070309	A	20071114	CN 2006-10108610	20031014
IN 2005KN00566	A	20060224	IN 2005-KN566	20050404
NO 2005001689	A	20050707	NO 2005-1689	20050405
ZA 2005002873	A	20060726	ZA 2005-2873	20050408
US 2006025404	A1	20060202	US 2005-531758	20050414
MX 2005PA04078	A	20050608	MX 2005-PA4078	20050415
IN 2006KN02281	A	20070525	IN 2006-KN2281	20060810
JP 2007016041	A	20070125	JP 2006-231163	20060828
PRIORITY APPLN. INFO.:			GB 2002-24084	A 20021016
			CN 2003-80106014	A3 20031014
			JP 2004-544241	A3 20031014
			WO 2003-EP11423	W 20031014
			IN 2005-KN566	A3 20050404
OTHER SOURCE(S):		MARPAT 140:375196		
GI				



AB The title compds. [I;  $R^1$  = H, alkyl, alkoxy, etc.;  $Z$  = a bond, CO, (un)substituted CONH, SO<sub>2</sub>;  $p$  = 1-2;  $m$ ,  $n$ ,  $r$  = 0-2;  $R^2$  = halo, alkyl, alkoxy, etc.;  $R^3$  = (CH<sub>2</sub>)<sub>q</sub>NR<sup>11</sup>R<sup>12</sup>, II (wherein  $q$  = 2-4;  $R^{11}$ ,  $R^{12}$  = alkyl, cycloalkyl; NR<sup>11</sup>R<sup>12</sup> = heterocyclyl;  $R^{13}$  = H, alkyl, cycloalkyl, etc.;  $R^{14}$  = halo, alkyl, haloalkyl, etc.;  $f$ ,  $k$  = 0-2;  $g$  = 0-2;  $h$  = 0-3, such that  $g$  and  $h$  cannot both be 0);  $R^4$  = H, alkyl such that when  $r$  = 2, two  $R^4$  groups may instead be linked to form CH<sub>2</sub>, (CH<sub>2</sub>)<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>; with the provisos], useful in the treatment of neurodegenerative disorders including Alzheimer's disease, and inflammatory diseases of the upper respiratory tract, were prepared. Thus, reacting 1-[4-(3-piperidin-1-ylpropoxy)benzyl]piperazine.3HCl (preparation given) with benzoic acid afforded 77% III which was tested in the histamine H<sub>3</sub> functional antagonist assay and showed pK<sub>b</sub> of > 6.5. The pharmaceutical composition comprising the compound

I is claimed.

IT 684243-56-9P 684243-90-1P 684245-96-3P  
684246-35-3P 684246-63-7P 684246-64-8P  
684247-33-4P 684248-09-7P 684248-23-5P

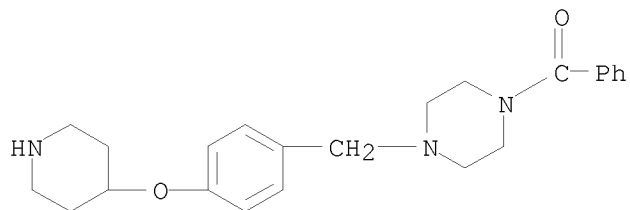
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of substituted piperazines, [1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes as histamine H<sub>1</sub> and/or H<sub>3</sub> antagonists or histamine H<sub>3</sub> reverse antagonists)

RN 684243-56-9 CAPLUS

CN Piperazine, 1-benzoyl-4-[[4-(4-piperidinylloxy)phenyl]methyl]- (9CI) (CA INDEX NAME)

10/531,758



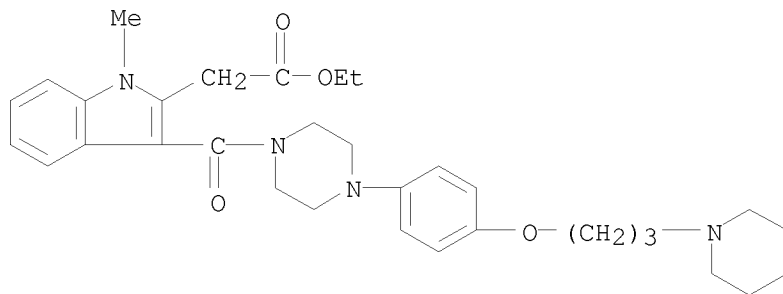
RN 684243-90-1 CAPLUS

CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, ethyl ester, monoformate (9CI) (CA INDEX NAME)

CM 1

CRN 684243-89-8

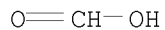
CMF C32 H42 N4 O4



CM 2

CRN 64-18-6

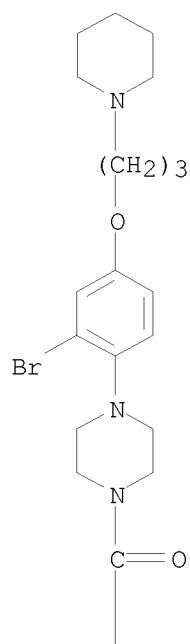
CMF C H2 O2



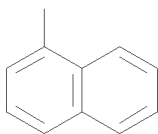
RN 684245-96-3 CAPLUS

CN Piperazine, 1-[2-bromo-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

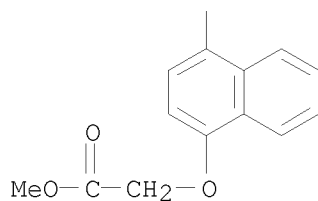
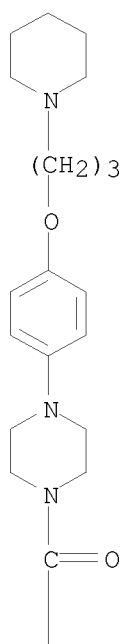


PAGE 2-A



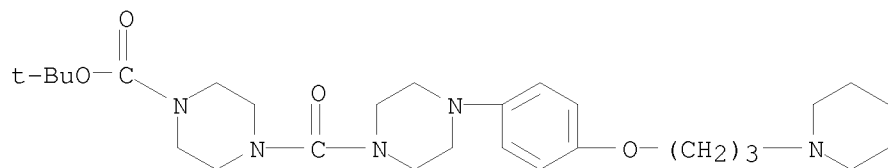
RN 684246-35-3 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 684246-63-7 CAPLUS

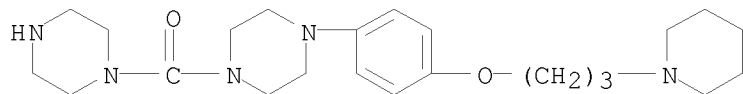
CN 1-Piperazinecarboxylic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684246-64-8 CAPLUS

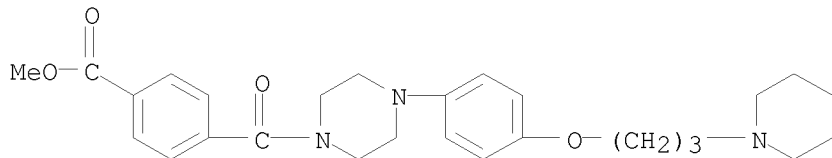
CN Piperazine, 1-(1-piperazinylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



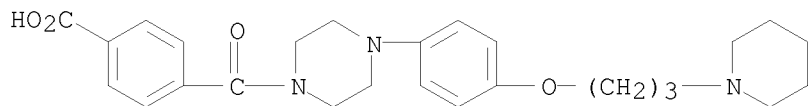
RN 684247-33-4 CAPLUS

CN Benzoic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



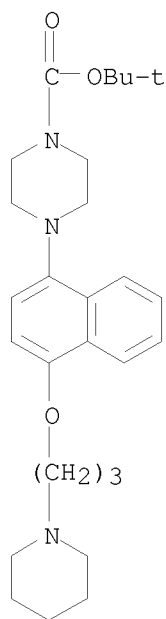
RN 684248-09-7 CAPLUS

CN Benzoic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-23-5 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]-1-naphthalenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT	684243-25-2P	684243-26-3P	684243-27-4P
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 684246-25-1P 684246-26-2P 684246-27-3P  
 684246-28-4P 684246-29-5P 684246-30-8P  
 684246-31-9P 684246-32-0P 684246-34-2P  
 684246-36-4P 684246-37-5P 684246-38-6P  
 684246-39-7P 684246-40-0P 684246-41-1P  
 684246-42-2P 684246-43-3P 684246-44-4P

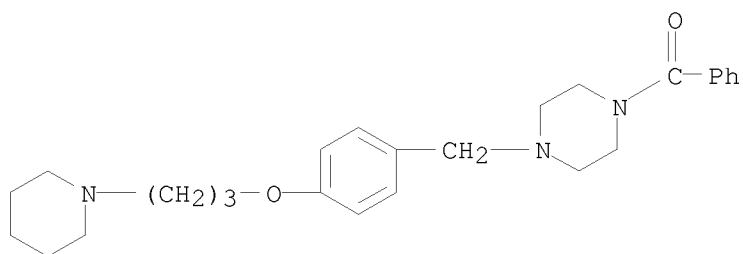
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of substituted piperazines, [1,4]diazepines, and  
 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists  
 or histamine H3 reverse antagonists)

RN 684243-25-2 CAPLUS

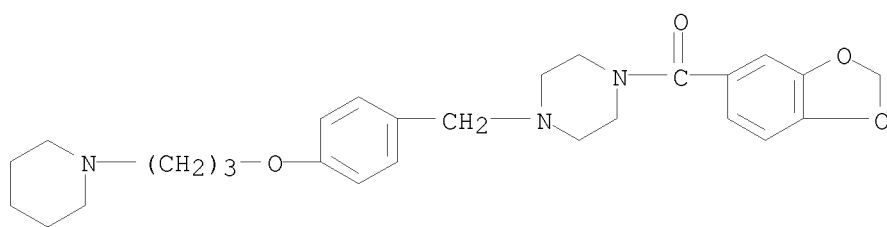
CN Piperazine, 1-benzoyl-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]-  
 (9CI) (CA INDEX NAME)

10/531,758



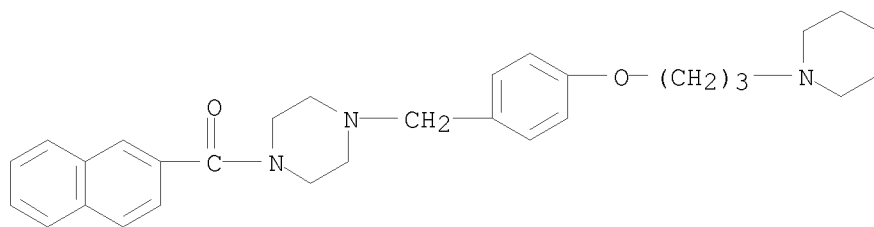
RN 684243-26-3 CAPLUS

CN Piperazine, 1-(1,3-benzodioxol-5-ylcarbonyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



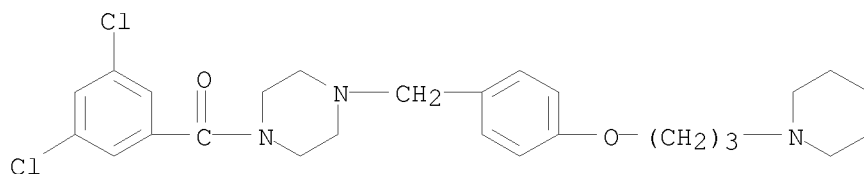
RN 684243-27-4 CAPLUS

CN Piperazine, 1-(2-naphthalenylcarbonyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 684243-28-5 CAPLUS

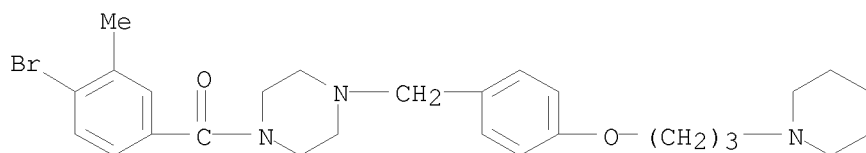
CN Piperazine, 1-(3,5-dichlorobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 684243-29-6 CAPLUS

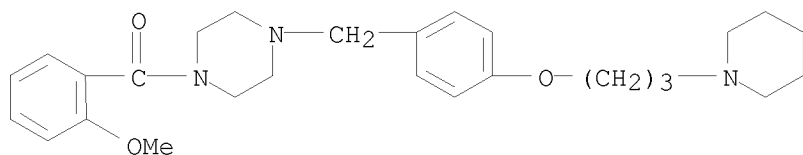
CN Piperazine, 1-(4-bromo-3-methylbenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)

10/531,758



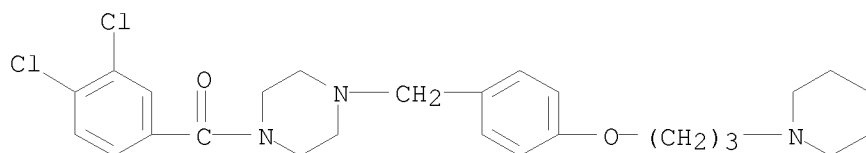
RN 684243-30-9 CAPLUS

CN Piperazine, 1-(2-methoxybenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



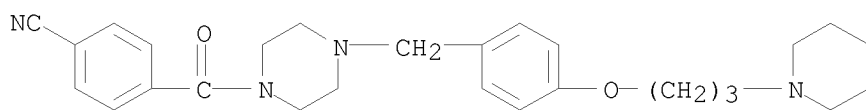
RN 684243-31-0 CAPLUS

CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



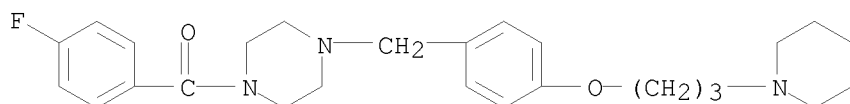
RN 684243-32-1 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 684243-33-2 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)

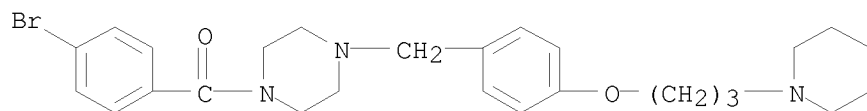


RN 684243-34-3 CAPLUS

CN Piperazine, 1-(4-bromobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]meth

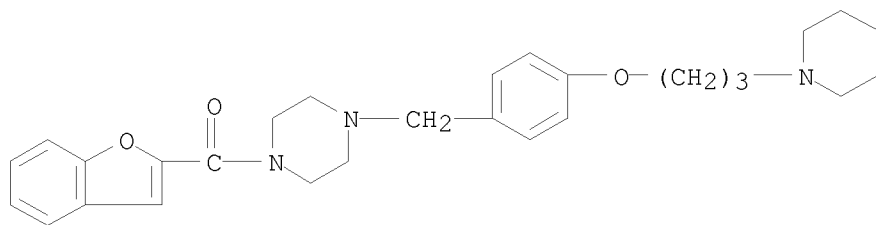
10/531,758

yl]- (9CI) (CA INDEX NAME)



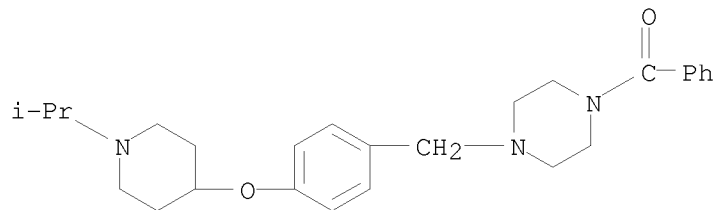
RN 684243-35-4 CAPLUS

CN Piperazine, 1-(2-benzofuranylcarbonyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



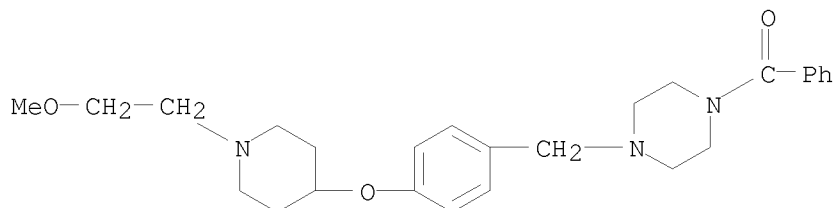
RN 684243-57-0 CAPLUS

CN Piperazine, 1-benzoyl-4-[[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 684243-58-1 CAPLUS

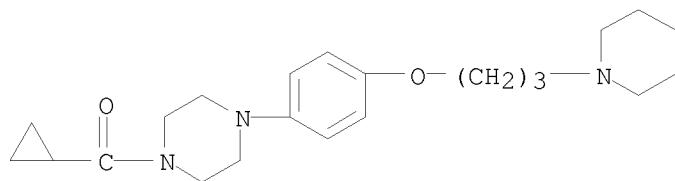
CN Piperazine, 1-benzoyl-4-[[4-[[1-(2-methoxyethyl)-4-piperidinyl]oxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



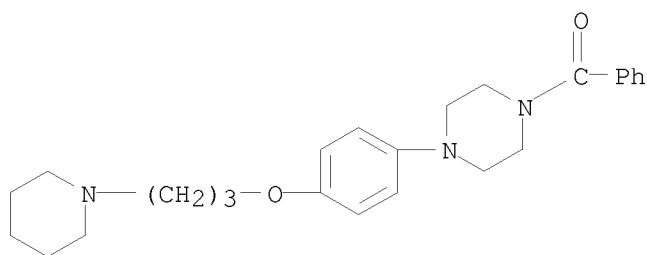
RN 684243-59-2 CAPLUS

CN Piperazine, 1-(cyclopropylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

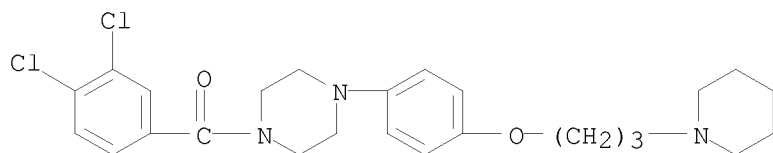
10/531,758



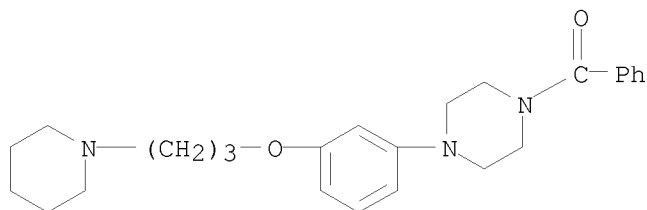
RN 684243-60-5 CAPLUS  
CN Piperazine, 1-benzoyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684243-61-6 CAPLUS  
CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

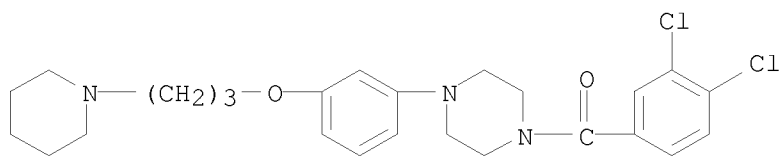


RN 684243-62-7 CAPLUS  
CN Piperazine, 1-benzoyl-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



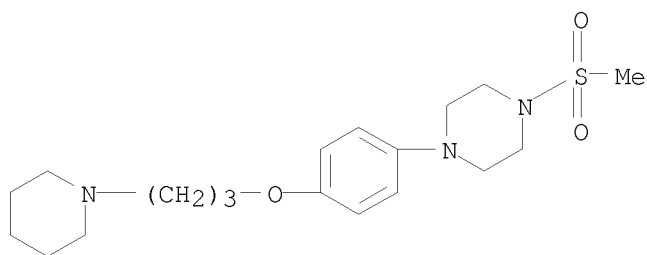
RN 684243-63-8 CAPLUS  
CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



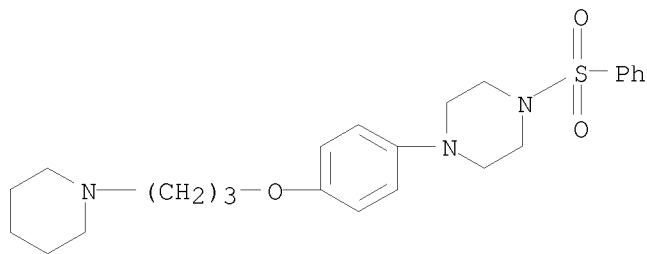
RN 684243-64-9 CAPLUS

CN Piperazine, 1-(methanesulfonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(CA INDEX NAME)



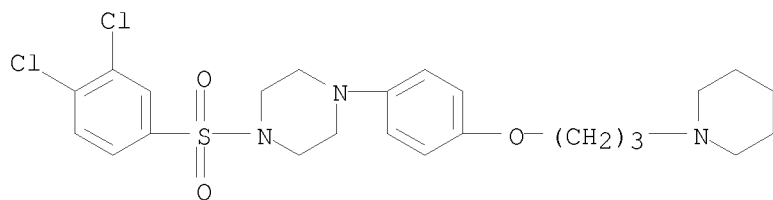
RN 684243-65-0 CAPLUS

CN Piperazine, 1-(phenylsulfonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(CA INDEX NAME)



RN 684243-66-1 CAPLUS

CN Piperazine, 1-[(3,4-dichlorophenyl)sulfonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(CA INDEX NAME)

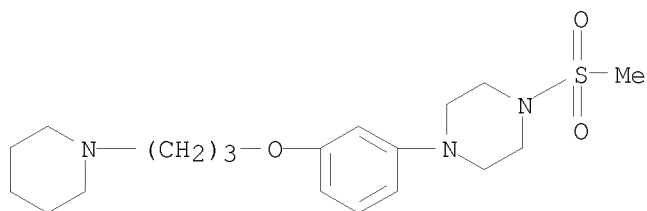


RN 684243-67-2 CAPLUS

CN Piperazine, 1-(methanesulfonyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]-

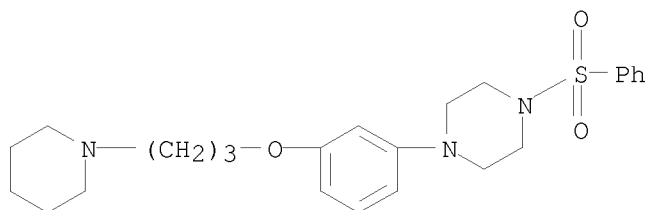
10/531,758

(CA INDEX NAME)



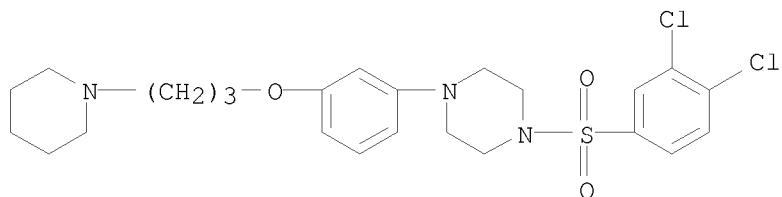
RN 684243-68-3 CAPLUS

CN Piperazine, 1-(phenylsulfonyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]-  
(CA INDEX NAME)



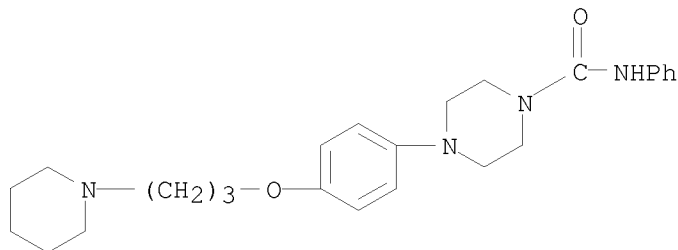
RN 684243-69-4 CAPLUS

CN Piperazine, 1-[(3,4-dichlorophenyl)sulfonyl]-4-[3-[3-(1-piperidinyl)propoxy]phenyl]-  
(CA INDEX NAME)



RN 684243-70-7 CAPLUS

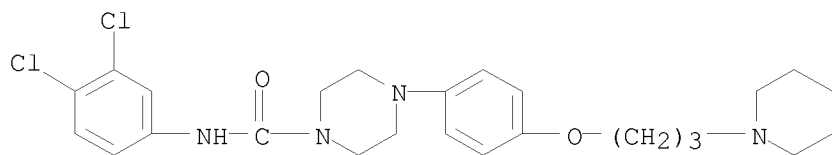
CN 1-Piperazinecarboxamide, N-phenyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(CA INDEX NAME)



10/531,758

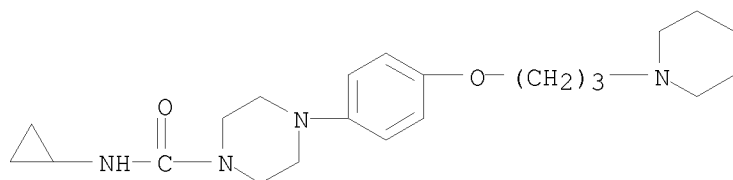
RN 684243-71-8 CAPLUS

CN 1-Piperazinecarboxamide, N-(3,4-dichlorophenyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



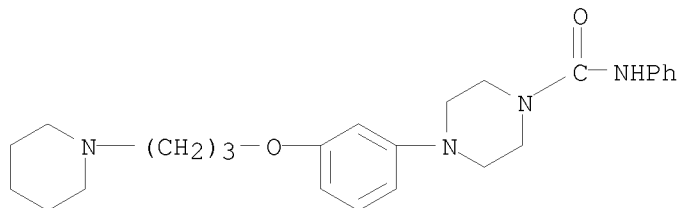
RN 684243-72-9 CAPLUS

CN 1-Piperazinecarboxamide, N-cyclopropyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



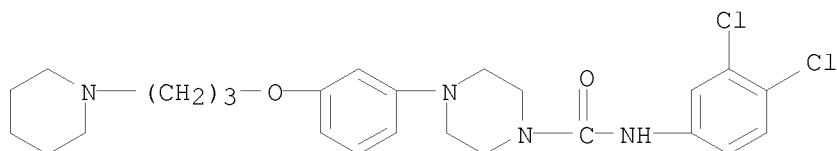
RN 684243-73-0 CAPLUS

CN 1-Piperazinecarboxamide, N-phenyl-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 684243-74-1 CAPLUS

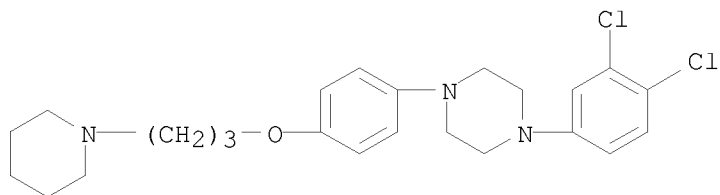
CN 1-Piperazinecarboxamide, N-(3,4-dichlorophenyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 684243-75-2 CAPLUS

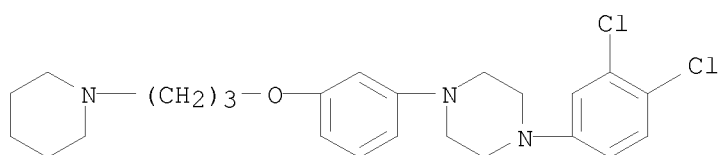
CN Piperazine, 1-(3,4-dichlorophenyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

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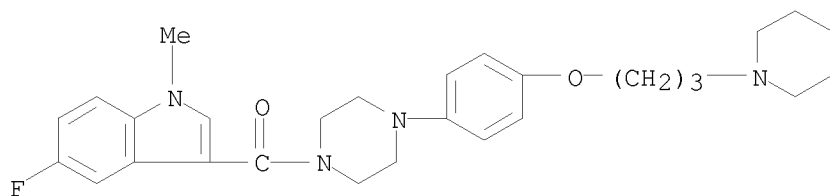
RN 684243-76-3 CAPLUS

CN Piperazine, 1-(3,4-dichlorophenyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]-  
(CA INDEX NAME)



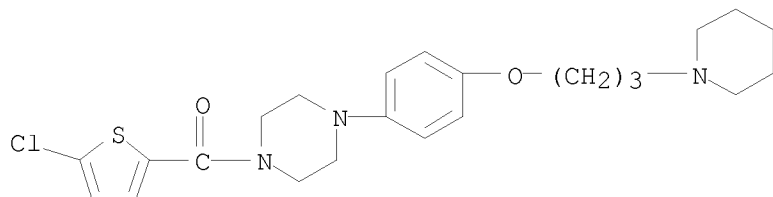
RN 684243-77-4 CAPLUS

CN Piperazine, 1-[(5-fluoro-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684243-78-5 CAPLUS

CN Piperazine, 1-[(5-chloro-2-thienyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



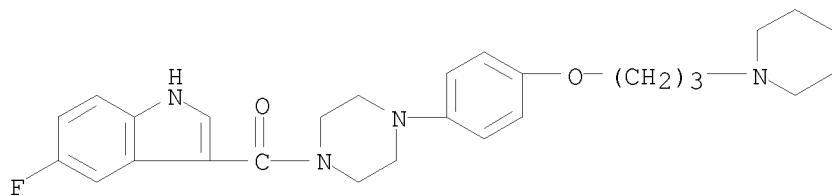
RN 684243-80-9 CAPLUS

CN Formic acid, compd. with 1-[(5-fluoro-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

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CRN 684243-79-6  
CMF C27 H33 F N4 O2



CM 2

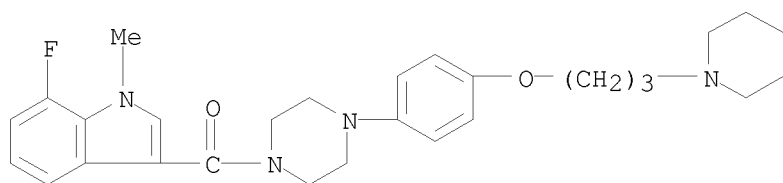
CRN 64-18-6  
CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

RN 684243-82-1 CAPLUS  
CN Formic acid, compd. with 1-[(7-fluoro-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-81-0  
CMF C28 H35 F N4 O2



CM 2

CRN 64-18-6  
CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

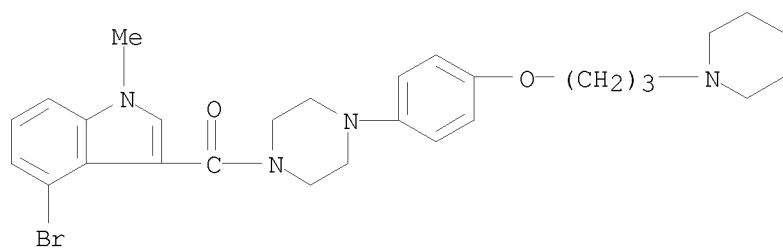
RN 684243-84-3 CAPLUS  
CN Formic acid, compd. with 1-[(4-bromo-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

10/531,758

CM 1

CRN 684243-83-2

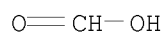
CMF C28 H35 Br N4 O2



CM 2

CRN 64-18-6

CMF C H2 O2



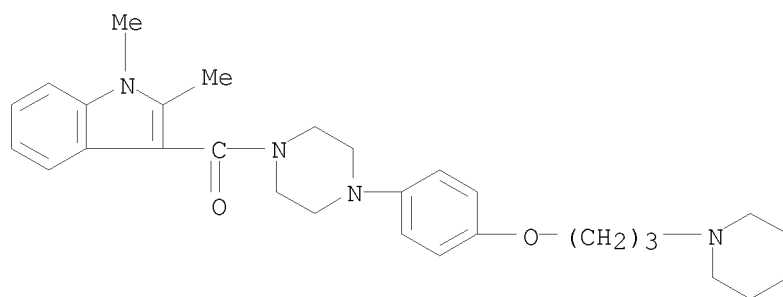
RN 684243-86-5 CAPLUS

CN Formic acid, compd. with 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-85-4

CMF C29 H38 N4 O2



CM 2

CRN 64-18-6

CMF C H2 O2

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O=CH-OH

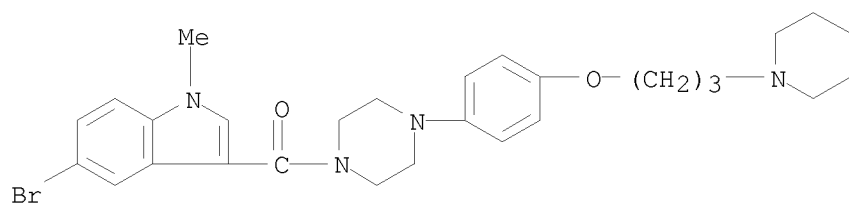
RN 684243-88-7 CAPLUS

CN Formic acid, compd. with 1-[(5-bromo-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-87-6

CMF C28 H35 Br N4 O2



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

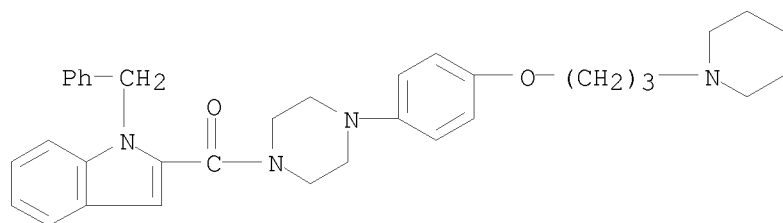
RN 684243-92-3 CAPLUS

CN Formic acid, compd. with 1-[[1-(phenylmethyl)-1H-indol-2-yl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-91-2

CMF C34 H40 N4 O2



CM 2

CRN 64-18-6

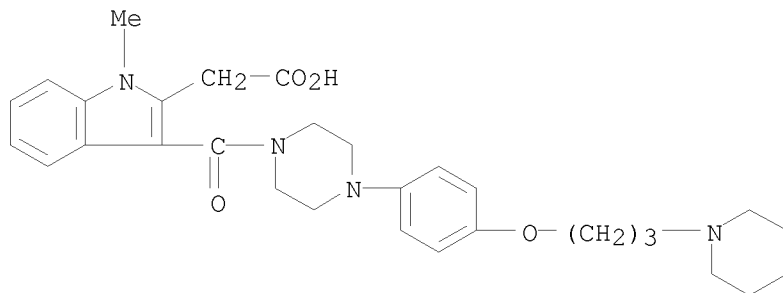
10/531,758

CMF C H2 O2

O=CH-OH

RN 684243-93-4 CAPLUS

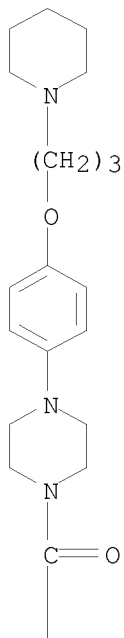
CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)

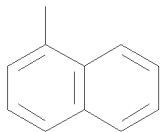


RN 684243-94-5 CAPLUS

CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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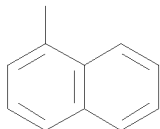
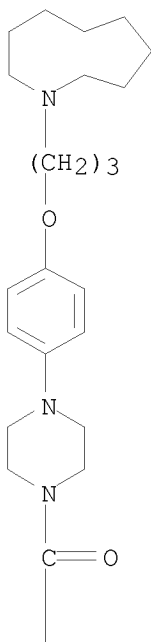




RN 684243-96-7 CAPLUS  
 CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(octahydro-1H-azonin-1-yl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

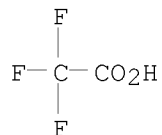
CRN 684243-95-6  
 CMF C32 H41 N3 O2



CM 2

10/531,758

CRN 76-05-1  
CMF C2 H F3 O2

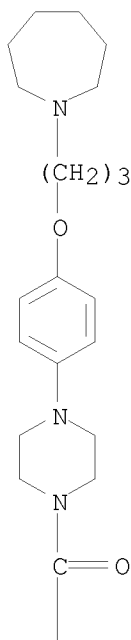


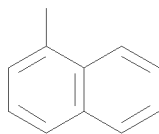
RN 684243-98-9 CAPLUS  
CN Piperazine, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-97-8  
CMF C30 H37 N3 O2

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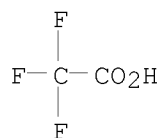




CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684244-00-6 CAPLUS

CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(4-thiomorpholinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

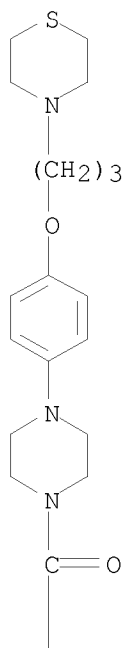
CM 1

CRN 684243-99-0

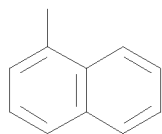
CMF C28 H33 N3 O2 S

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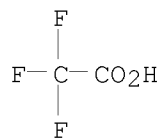


PAGE 2-A



CM 2

CRN 76-05-1  
CMF C2 H F3 O2



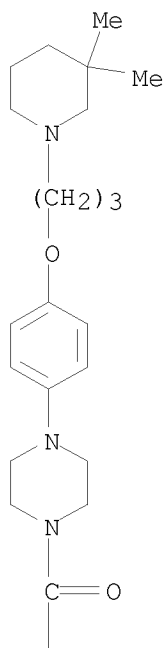
RN 684244-02-8 CAPLUS  
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

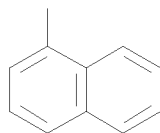
10/531,758

CRN 684244-01-7  
CMF C31 H39 N3 O2

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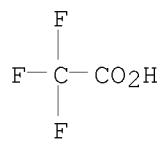


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CM 2

CRN 76-05-1  
CMF C2 H F3 O2



RN 684244-04-0 CAPLUS

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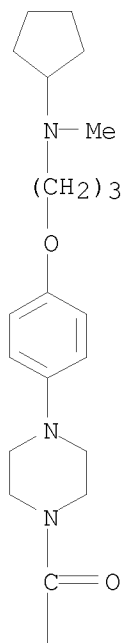
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

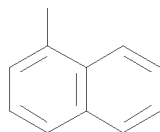
CRN 684244-03-9

CMF C30 H37 N3 O2

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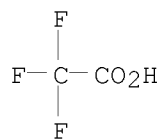


CM 2

CRN 76-05-1

CMF C2 H F3 O2

10/531,758



RN 684244-06-2 CAPLUS

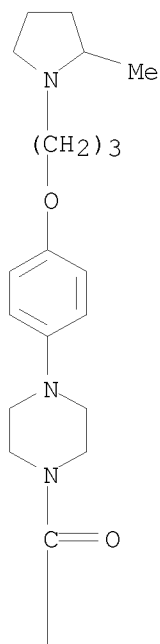
CN Piperazine, 1-[4-[3-(2-methyl-1-pyrrolidiny)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

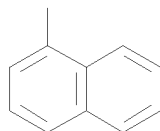
CRN 684244-05-1

CMF C29 H35 N3 O2

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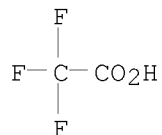
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CM 2

10/531,758

CRN 76-05-1  
CMF C2 H F3 O2

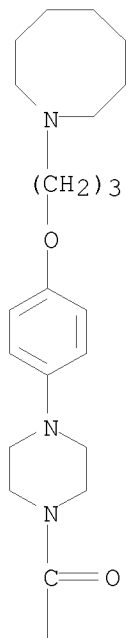


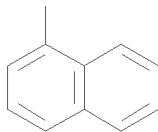
RN 684244-08-4 CAPLUS  
CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-07-3  
CMF C31 H39 N3 O2

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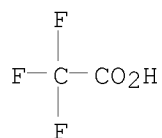




CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684244-10-8 CAPLUS

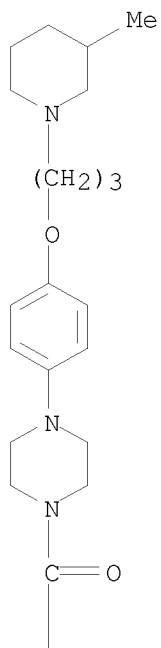
CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

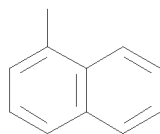
CRN 684244-09-5

CMF C30 H37 N3 O2

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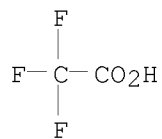


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CM 2

CRN 76-05-1  
 CMF C2 H F3 O2



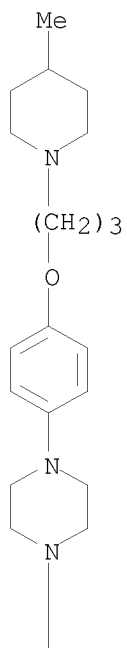
RN 684244-12-0 CAPLUS  
 CN Piperazine, 1-[4-[3-(4-methyl-1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

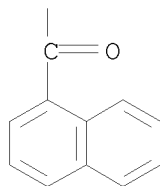
10/531,758

CRN 684244-11-9  
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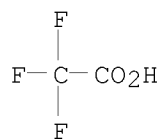
PAGE 1-A



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CM 2  
CRN 76-05-1  
CMF C2 H F3 O2

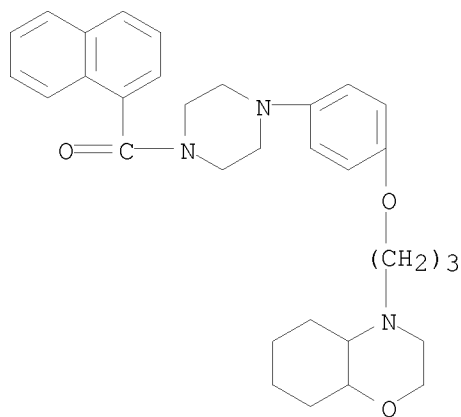


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RN 684244-14-2 CAPLUS  
CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

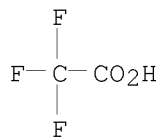
CM 1

CRN 684244-13-1  
CMF C32 H39 N3 O3



CM 2

CRN 76-05-1  
CMF C2 H F3 O2

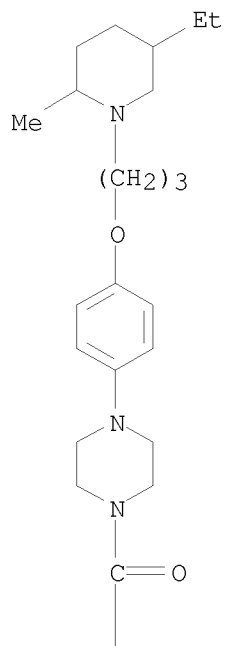


RN 684244-16-4 CAPLUS  
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

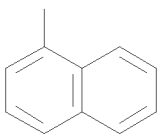
CM 1

CRN 684244-15-3  
CMF C32 H41 N3 O2

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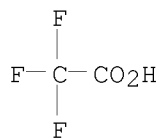


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CM 2

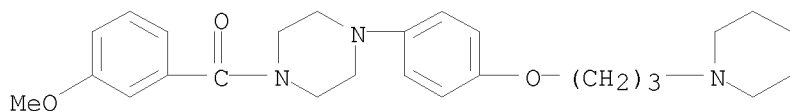
CRN 76-05-1  
 CMF C2 H F3 O2



RN 684244-18-6 CAPLUS  
 CN Piperazine, 1-[4-[3-[(2R,6S)-2,6-dimethyl-1-piperidinyl]propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, rel-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

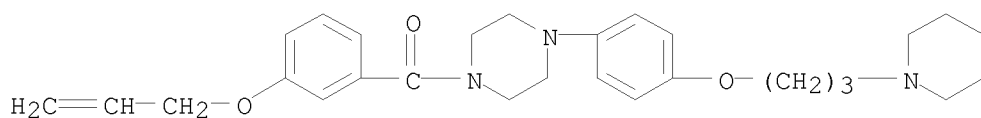


10/531,758



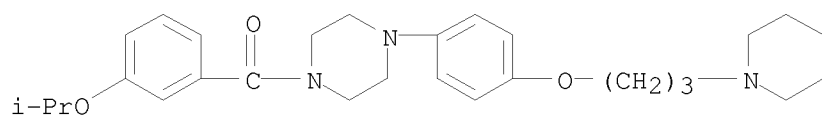
RN 684244-21-1 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(2-propenyloxy)benzoyl]- (9CI) (CA INDEX NAME)



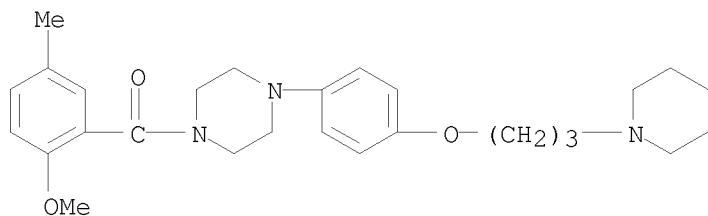
RN 684244-22-2 CAPLUS

CN Piperazine, 1-[3-(1-methylethoxy)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



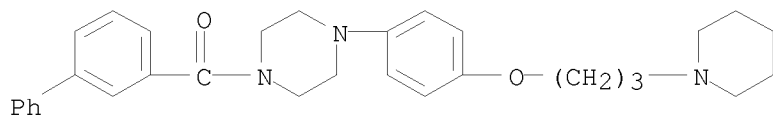
RN 684244-23-3 CAPLUS

CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-24-4 CAPLUS

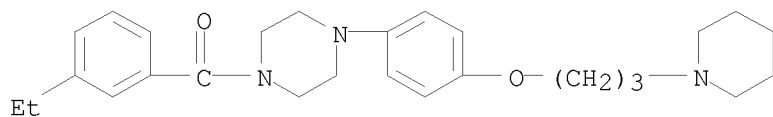
CN Piperazine, 1-([1,1'-biphenyl]-3-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



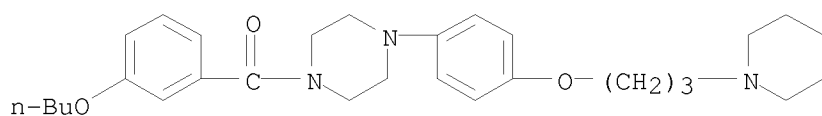
RN 684244-25-5 CAPLUS

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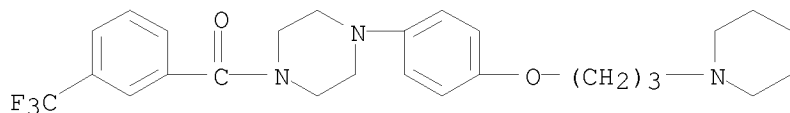
CN Piperazine, 1-(3-ethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



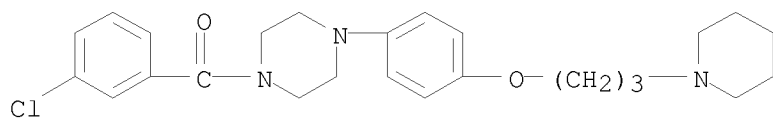
RN 684244-26-6 CAPLUS  
CN Piperazine, 1-(3-butoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



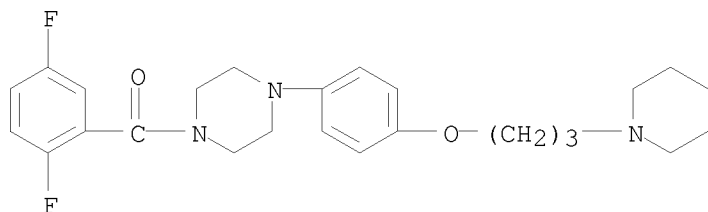
RN 684244-27-7 CAPLUS  
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684244-28-8 CAPLUS  
CN Piperazine, 1-(3-chlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



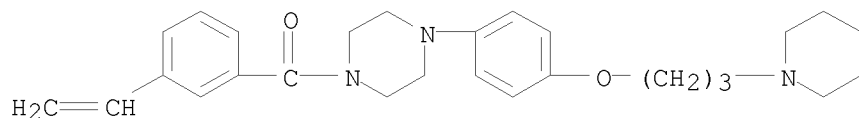
RN 684244-29-9 CAPLUS  
CN Piperazine, 1-(2,5-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



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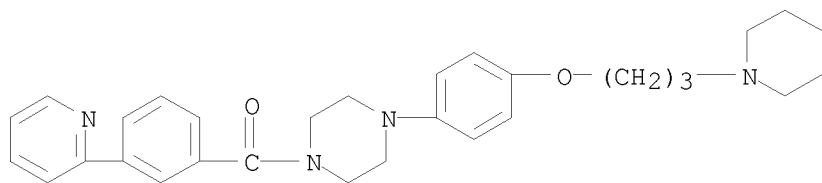
RN 684244-30-2 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



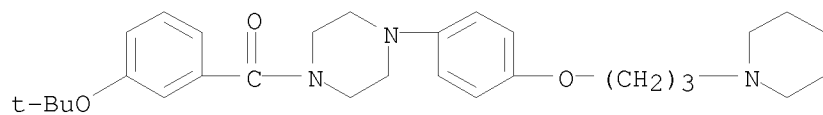
RN 684244-31-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(2-pyridinyl)benzoyl]- (9CI) (CA INDEX NAME)



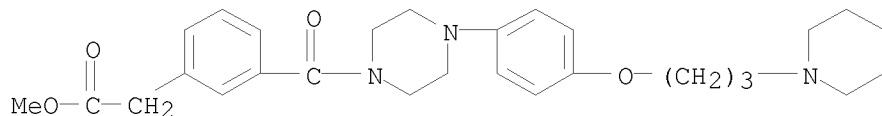
RN 684244-32-4 CAPLUS

CN Piperazine, 1-[3-(1,1-dimethylethoxy)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-33-5 CAPLUS

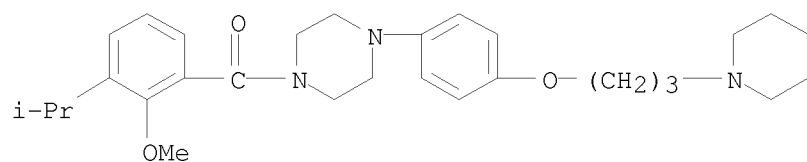
CN Benzeneacetic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



RN 684244-34-6 CAPLUS

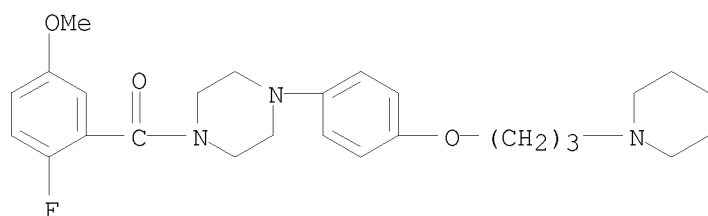
CN Piperazine, 1-[2-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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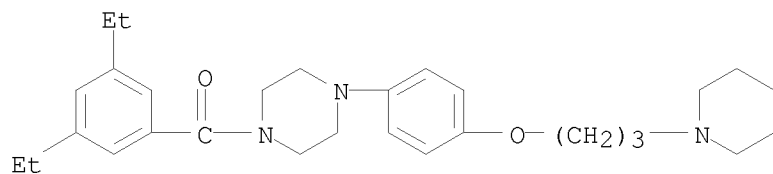
RN 684244-35-7 CAPLUS

CN Piperazine, 1-(2-fluoro-5-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



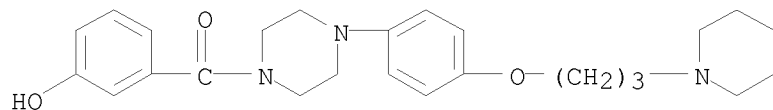
RN 684244-36-8 CAPLUS

CN Piperazine, 1-(3,5-diethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-37-9 CAPLUS

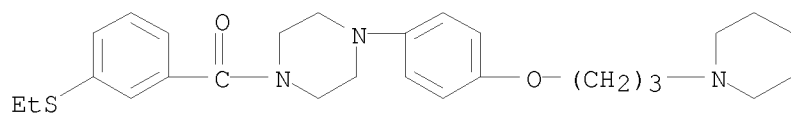
CN Piperazine, 1-(3-hydroxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-38-0 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

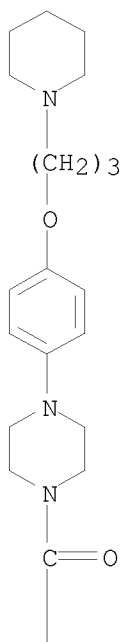
10/531,758



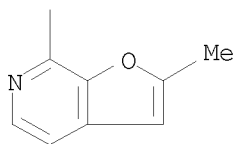
RN 684244-39-1 CAPLUS

CN Piperazine, 1-[(2-methylfuro[2,3-c]pyridin-7-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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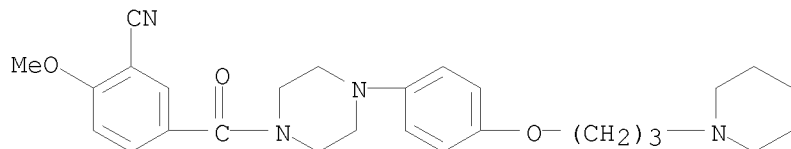
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RN 684244-40-4 CAPLUS

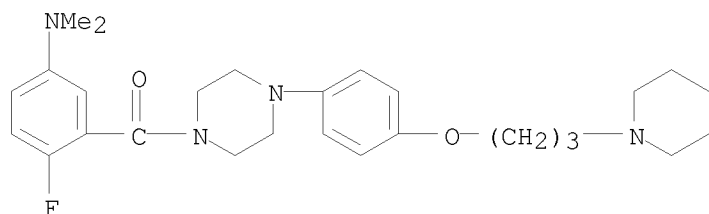
CN Piperazine, 1-(3-cyano-4-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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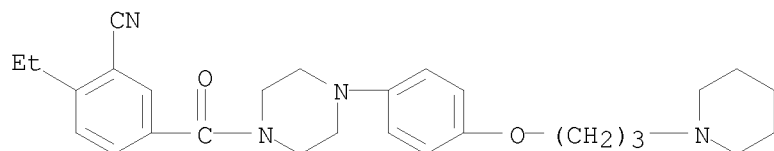
RN 684244-41-5 CAPLUS

CN Piperazine, 1-[5-(dimethylamino)-2-fluorobenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



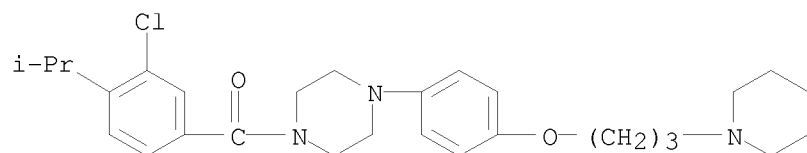
RN 684244-42-6 CAPLUS

CN Piperazine, 1-(3-cyano-4-ethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



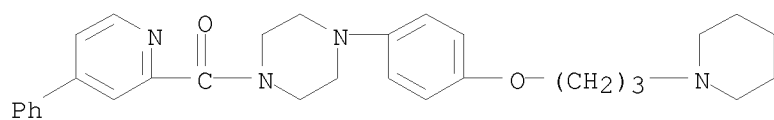
RN 684244-43-7 CAPLUS

CN Piperazine, 1-[3-chloro-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-44-8 CAPLUS

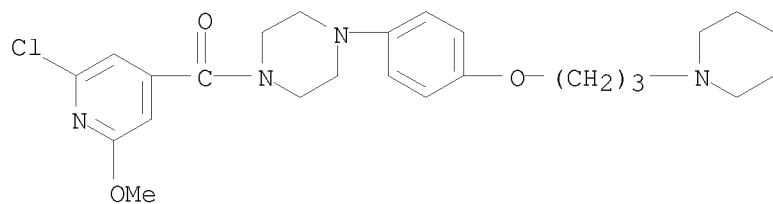
CN Piperazine, 1-[(4-phenyl-2-pyridinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



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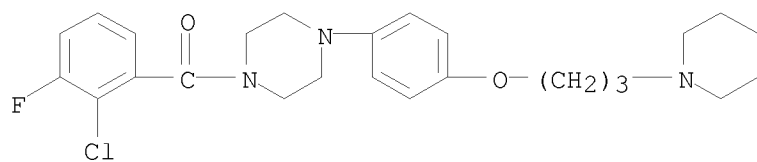
RN 684244-45-9 CAPLUS

CN Piperazine, 1-[(2-chloro-6-methoxy-4-pyridinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-46-0 CAPLUS

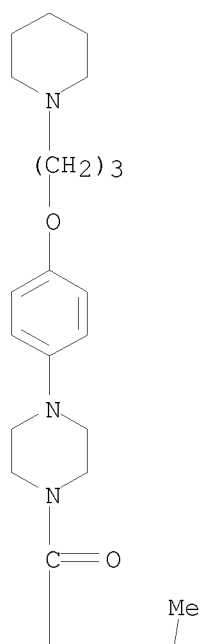
CN Piperazine, 1-(2-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



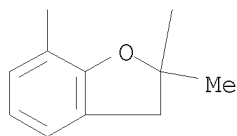
RN 684244-47-1 CAPLUS

CN Piperazine, 1-[(2,3-dihydro-2,2-dimethyl-7-benzofuranyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

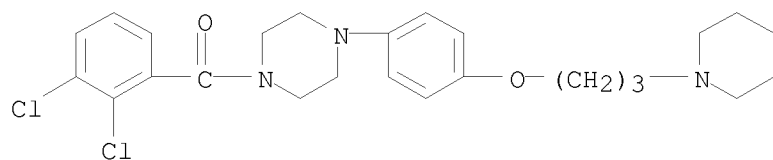
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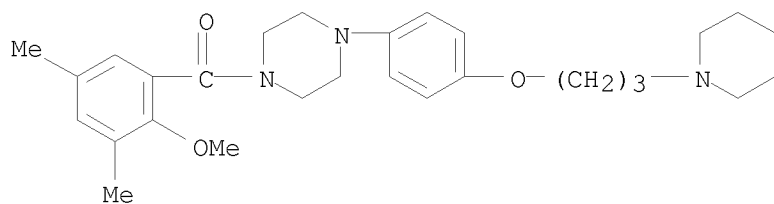
RN 684244-48-2 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)

RN 684244-49-3 CAPLUS

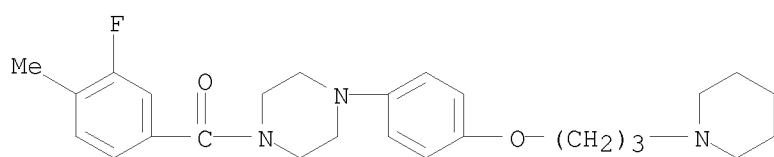
CN Piperazine, 1-(2-methoxy-3,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



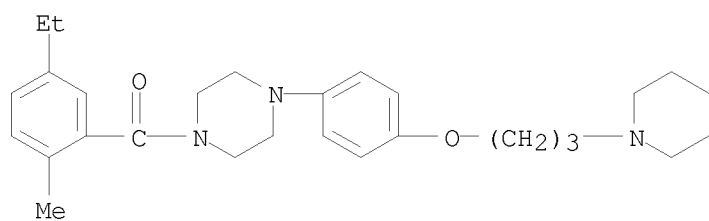
RN 684244-50-6 CAPLUS

CN Piperazine, 1-(3-fluoro-4-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



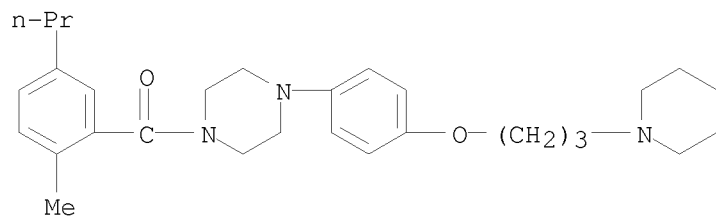
RN 684244-51-7 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-52-8 CAPLUS

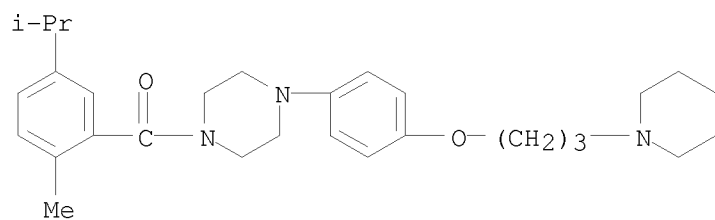
CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-53-9 CAPLUS

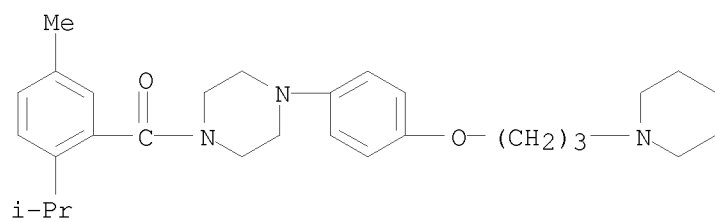
CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



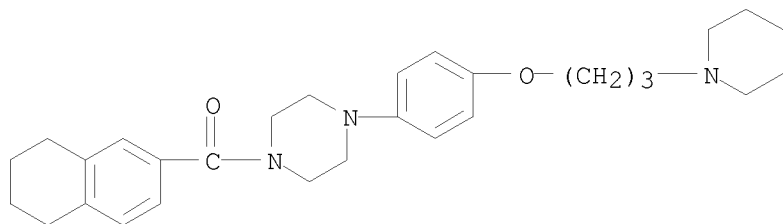
RN 684244-54-0 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



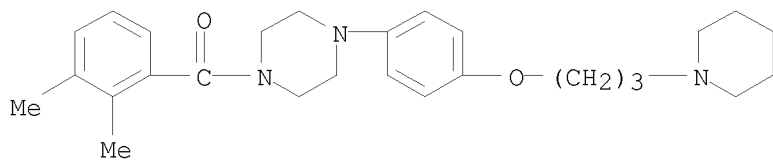
RN 684244-55-1 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684244-56-2 CAPLUS

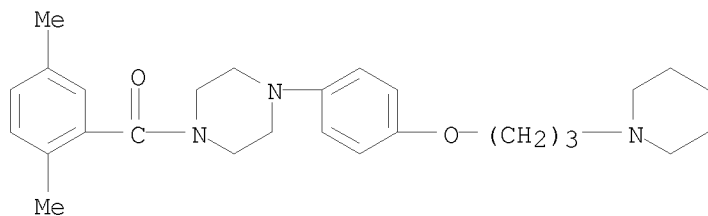
CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-57-3 CAPLUS

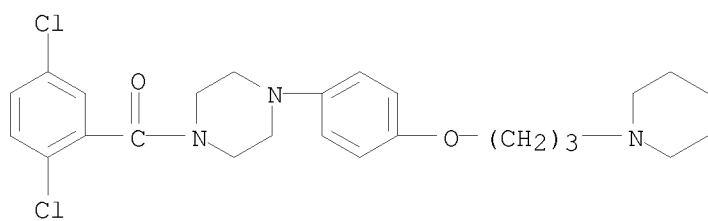
CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



RN 684244-58-4 CAPLUS

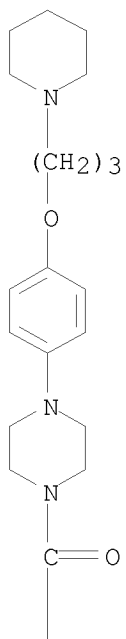
CN Piperazine, 1-(2,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)

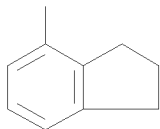


RN 684244-59-5 CAPLUS

CN Piperazine, 1-[(2,3-dihydro-1H-inden-4-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

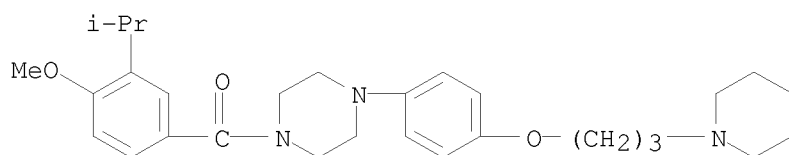
PAGE 1-A





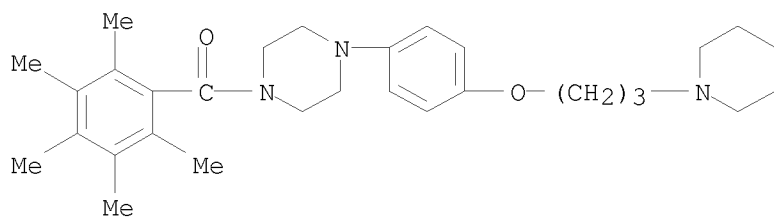
RN 684244-60-8 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



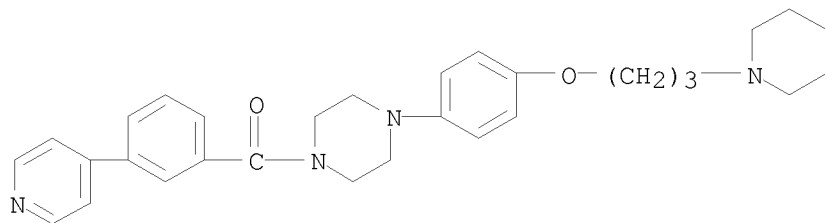
RN 684244-61-9 CAPLUS

CN Piperazine, 1-(pentamethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-62-0 CAPLUS

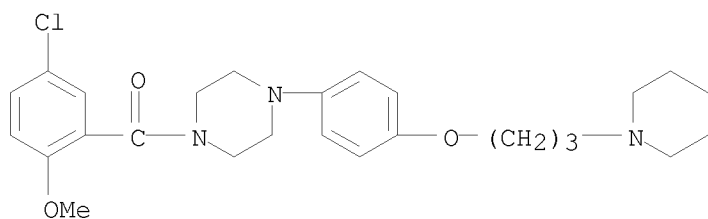
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(4-pyridinyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684244-63-1 CAPLUS

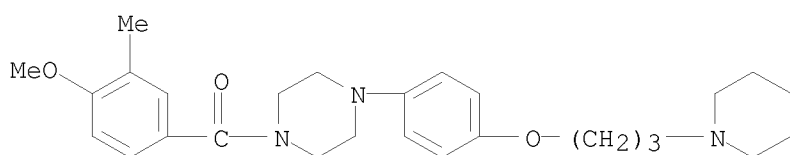
CN Piperazine, 1-(5-chloro-2-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



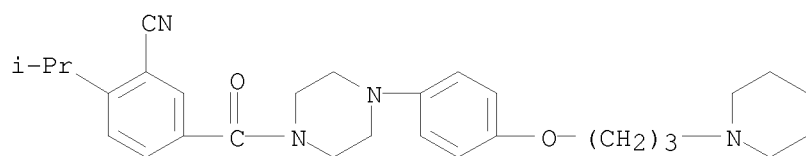
RN 684244-64-2 CAPLUS

CN Piperazine, 1-(4-methoxy-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



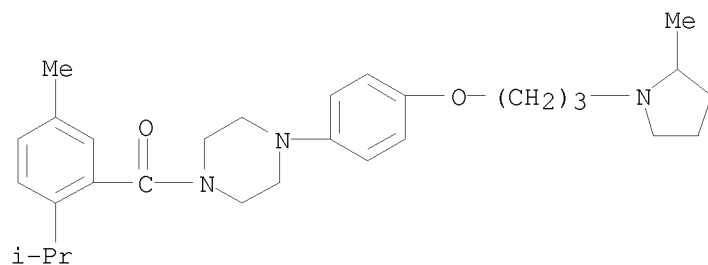
RN 684244-65-3 CAPLUS

CN Piperazine, 1-[3-cyano-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-66-4 CAPLUS

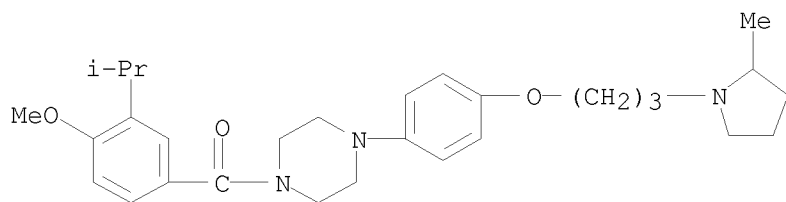
CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidiny)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-67-5 CAPLUS

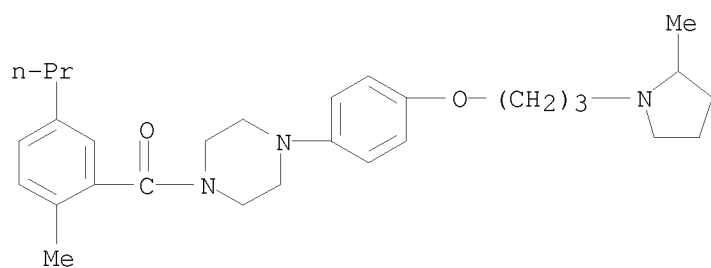
CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidiny)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



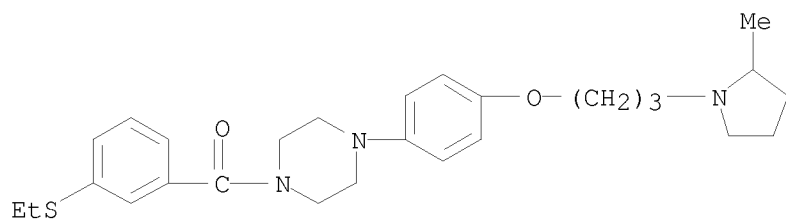
RN 684244-68-6 CAPLUS

CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



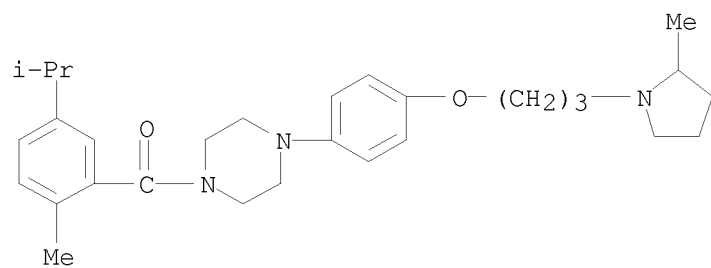
RN 684244-69-7 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-70-0 CAPLUS

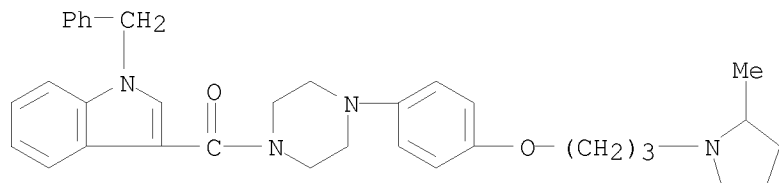
CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



10/531,758

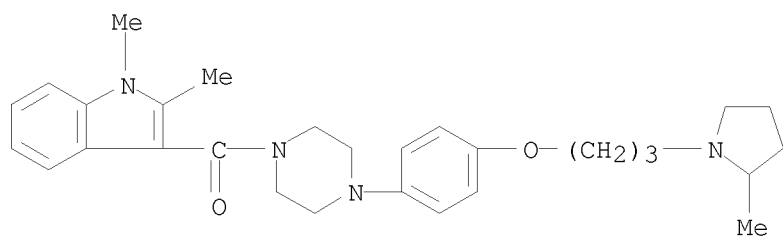
RN 684244-71-1 CAPLUS

CN Piperazine, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



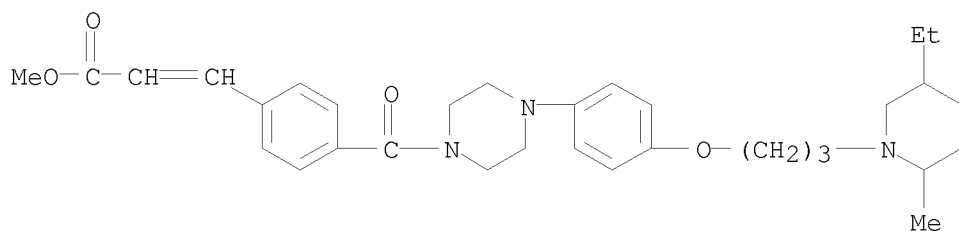
RN 684244-72-2 CAPLUS

CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-73-3 CAPLUS

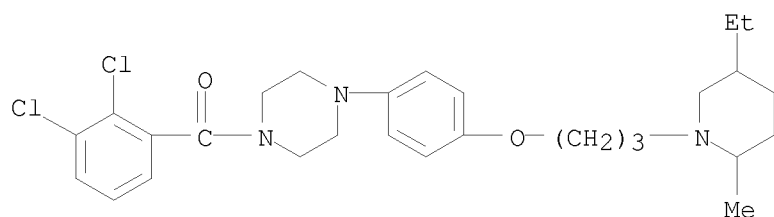
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]-, methyl ester (CA INDEX NAME)



RN 684244-74-4 CAPLUS

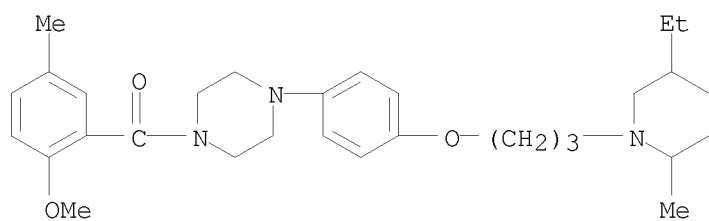
CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



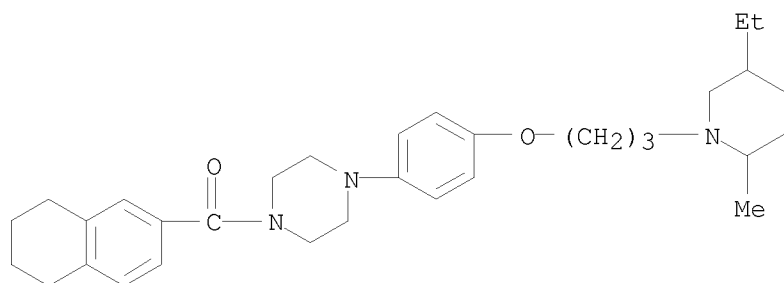
RN 684244-75-5 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684244-76-6 CAPLUS

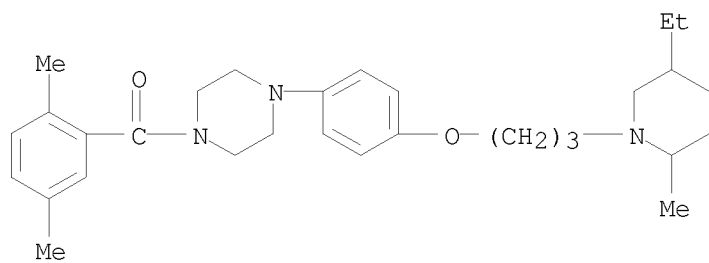
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684244-77-7 CAPLUS

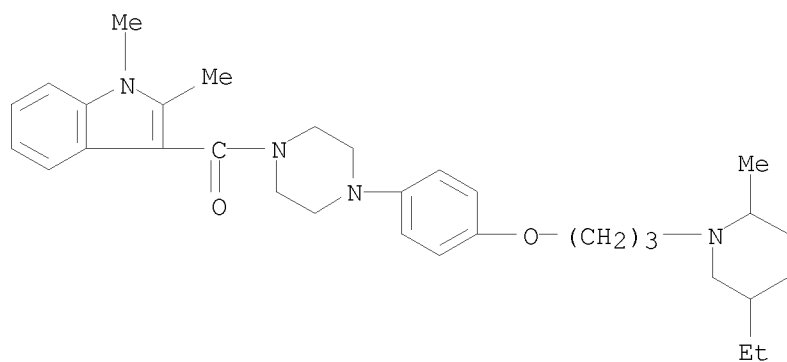
CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



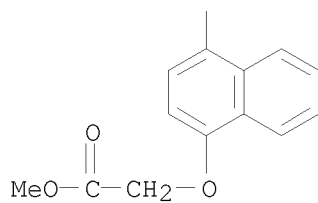
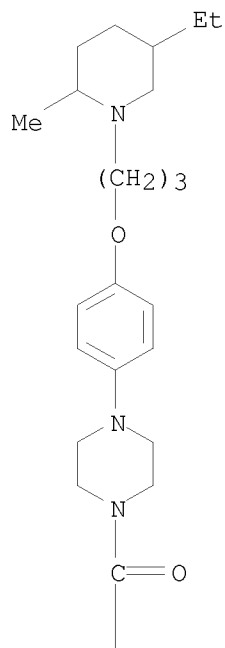
RN 684244-78-8 CAPLUS

CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(5-ethyl-2-methyl-1-piperidiny)propoxy]phenyl]- (9CI) (CA INDEX NAME)



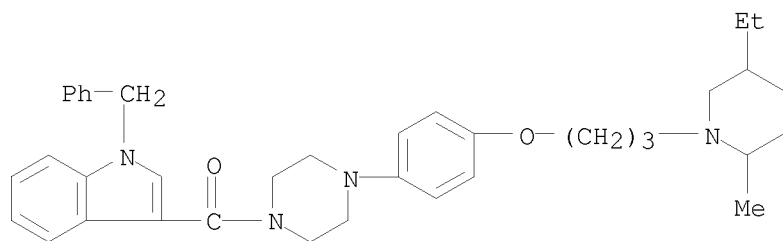
RN 684244-79-9 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 684244-80-2 CAPLUS

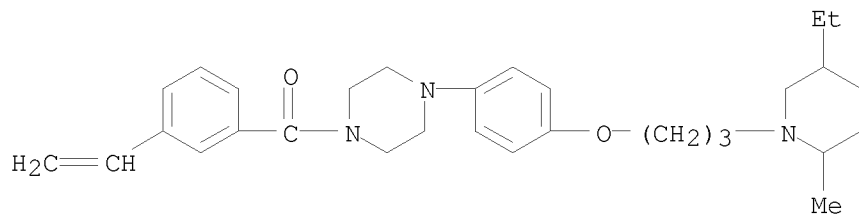
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



RN 684244-81-3 CAPLUS

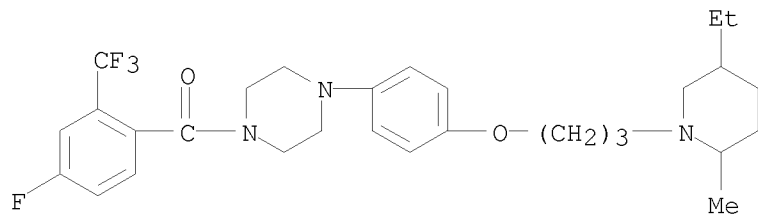
10/531,758

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



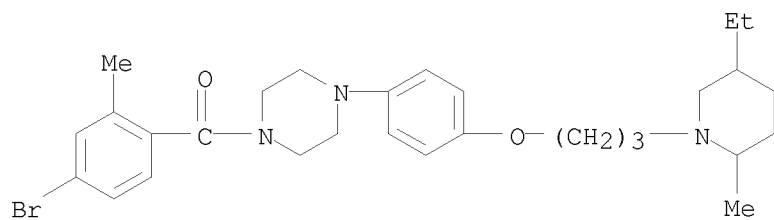
RN 684244-82-4 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684244-83-5 CAPLUS

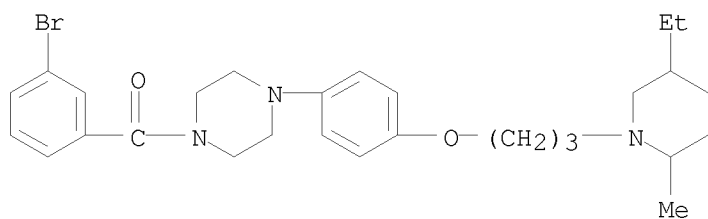
CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-84-6 CAPLUS

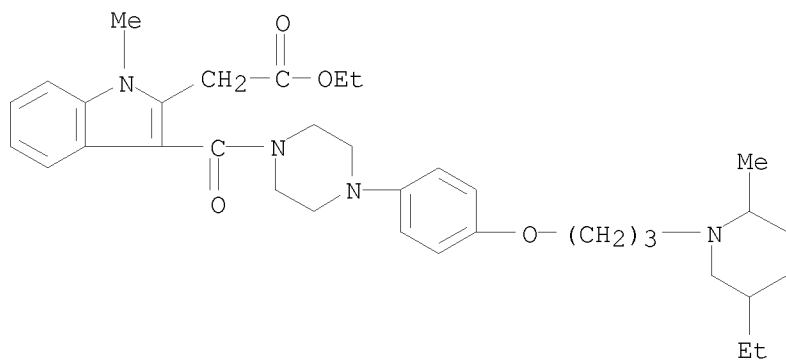
CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



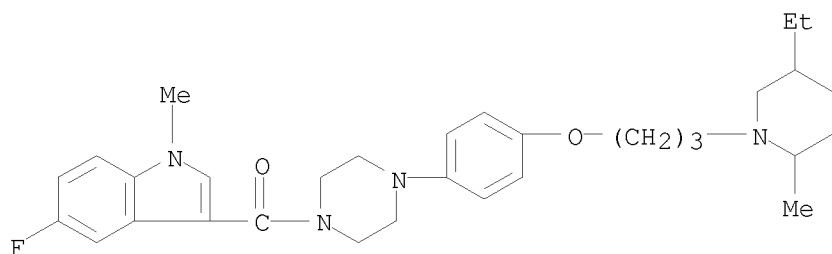
RN 684244-85-7 CAPLUS

CN 1H-Indole-2-acetic acid, 3-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-methyl-, ethyl ester  
(CA INDEX NAME)



RN 684244-86-8 CAPLUS

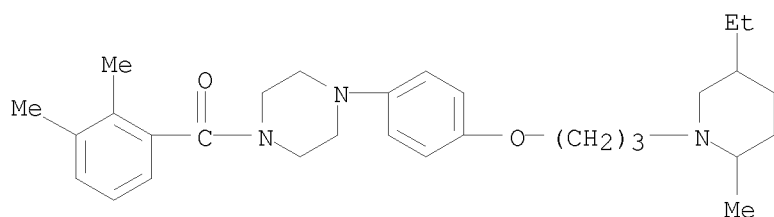
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidiny)propoxy]phenyl]-4-[(5-fluoro-1-methyl-1H-indol-3-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684244-87-9 CAPLUS

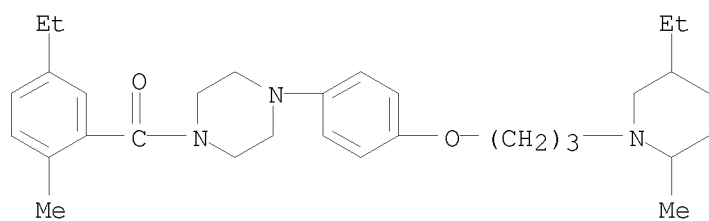
CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidiny)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



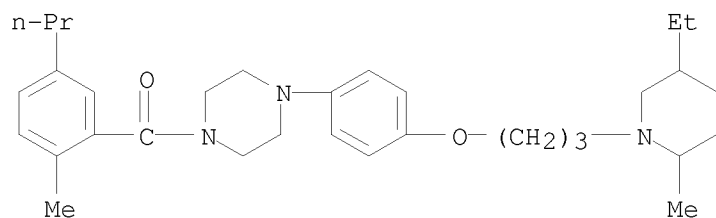
RN 684244-88-0 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



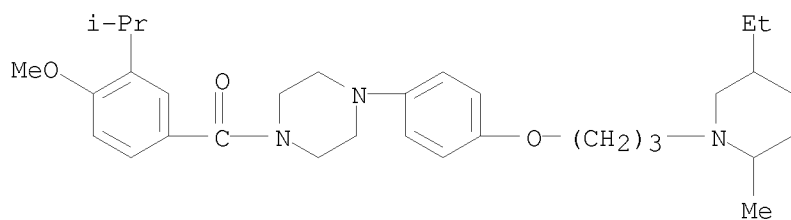
RN 684244-89-1 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684244-90-4 CAPLUS

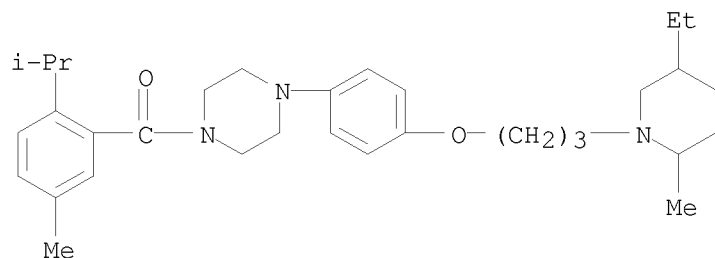
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684244-91-5 CAPLUS

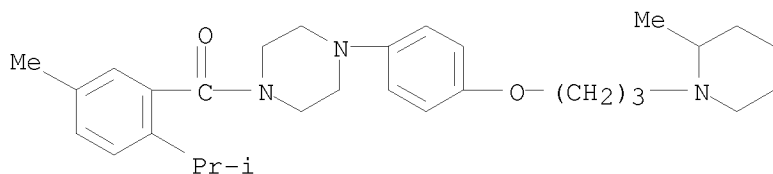
10/531,758

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



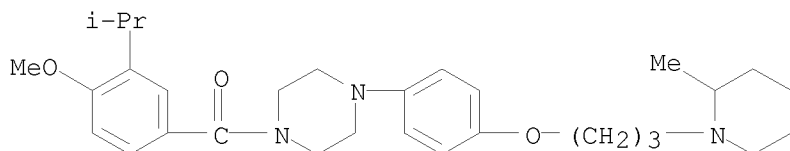
RN 684244-92-6 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-93-7 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-95-9 CAPLUS

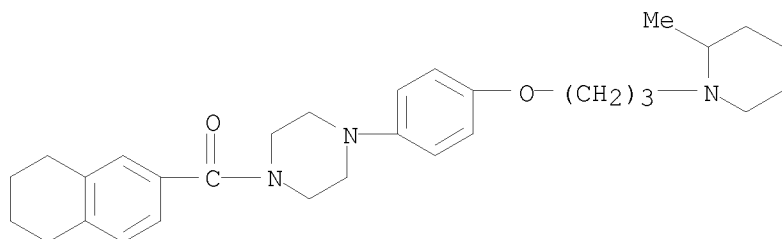
CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-94-8

CMF C30 H41 N3 O2

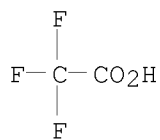
10/531,758



CM 2

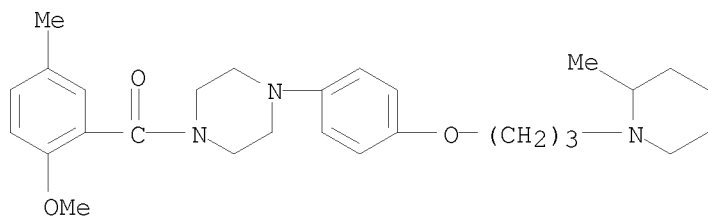
CRN 76-05-1

CMF C2 H F3 O2



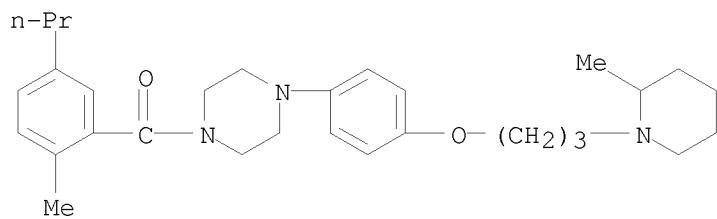
RN 684244-96-0 CAPLUS

CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-97-1 CAPLUS

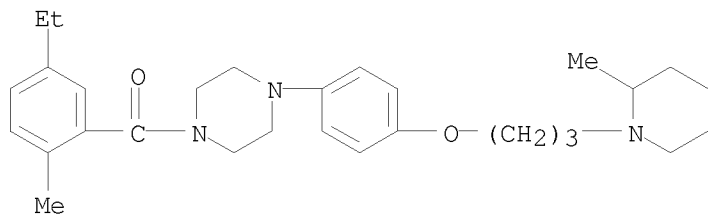
CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684244-98-2 CAPLUS

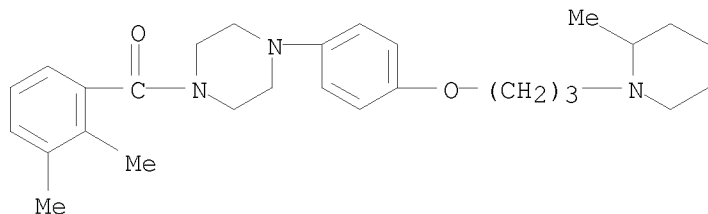
10/531,758

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



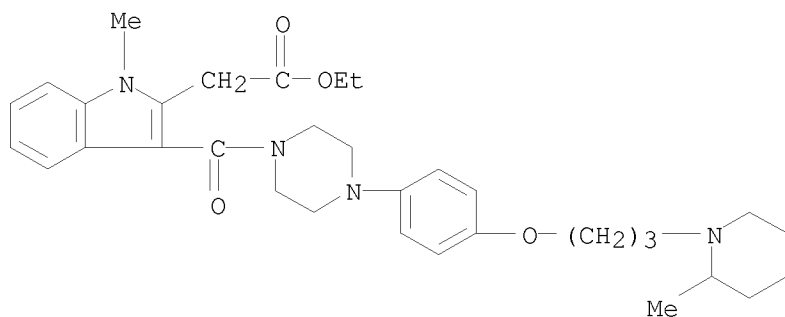
RN 684244-99-3 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-00-9 CAPLUS

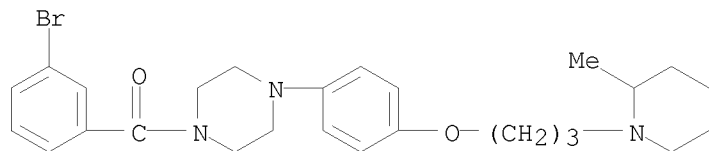
CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, ethyl ester (CA INDEX NAME)



RN 684245-01-0 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



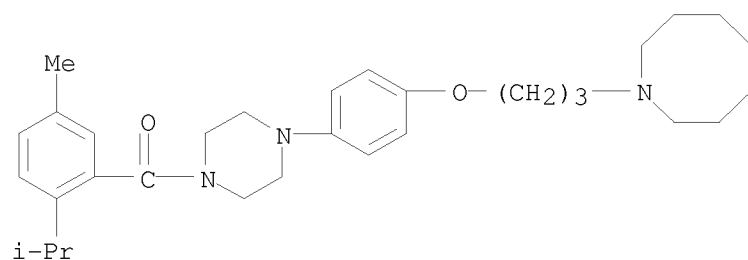
RN 684245-03-2 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-02-1

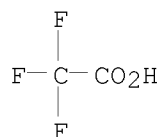
CMF C31 H45 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-05-4 CAPLUS

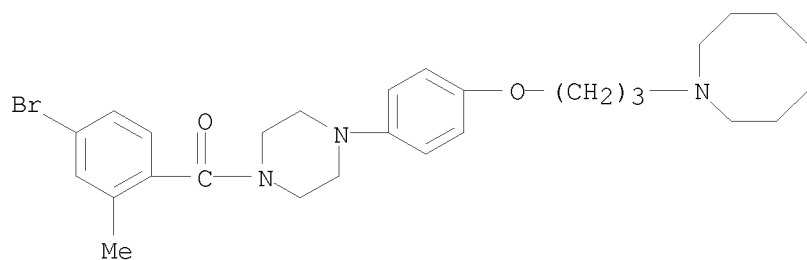
CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-04-3

CMF C28 H38 Br N3 O2

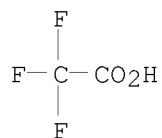
10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



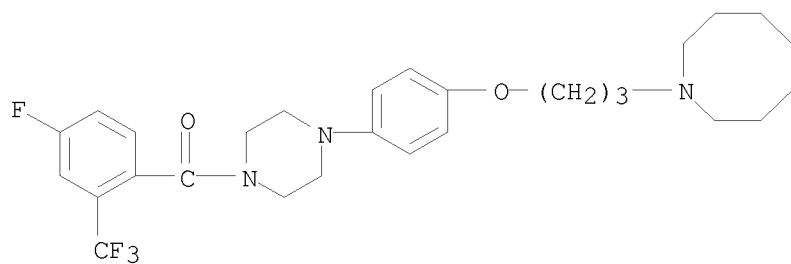
RN 684245-07-6 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-06-5

CMF C28 H35 F4 N3 O2

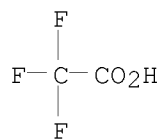


CM 2

CRN 76-05-1

CMF C2 H F3 O2

10/531,758



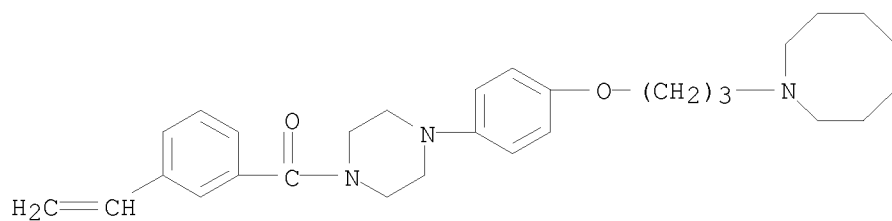
RN 684245-09-8 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-08-7

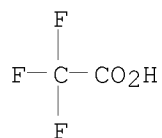
CMF C29 H39 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-11-2 CAPLUS

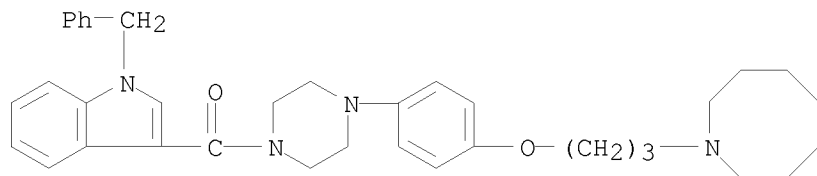
CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-10-1

CMF C36 H44 N4 O2

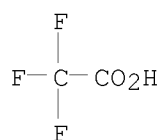
10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



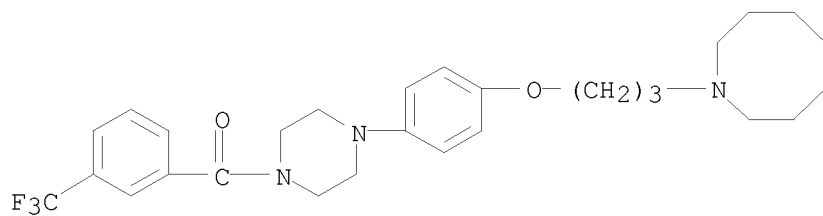
RN 684245-13-4 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-12-3

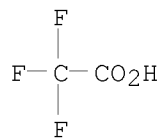
CMF C28 H36 F3 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



10/531,758

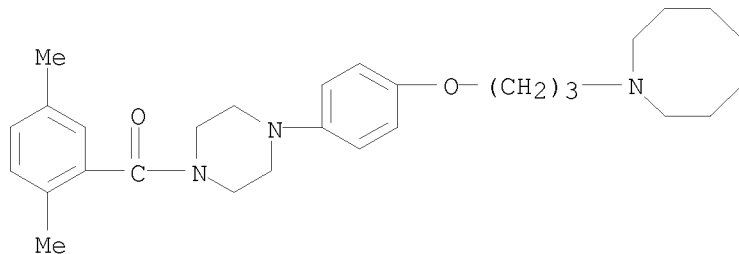
RN 684245-15-6 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-14-5

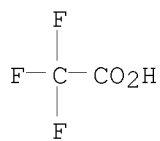
CMF C29 H41 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



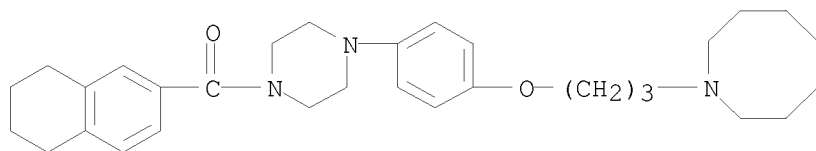
RN 684245-17-8 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-16-7

CMF C31 H43 N3 O2

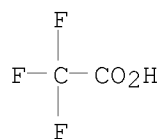


CM 2

CRN 76-05-1

10/531,758

CMF C2 H F3 O2



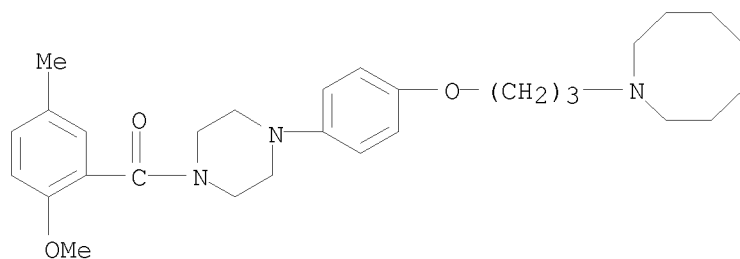
RN 684245-19-0 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-18-9

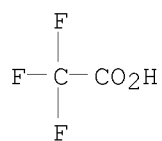
CMF C29 H41 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-21-4 CAPLUS

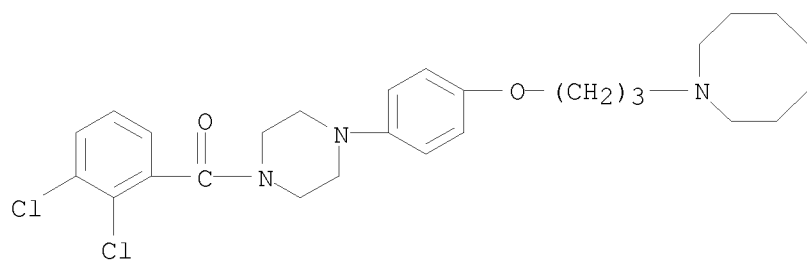
CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-20-3

CMF C27 H35 Cl2 N3 O2

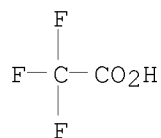
10/531,758



CM 2

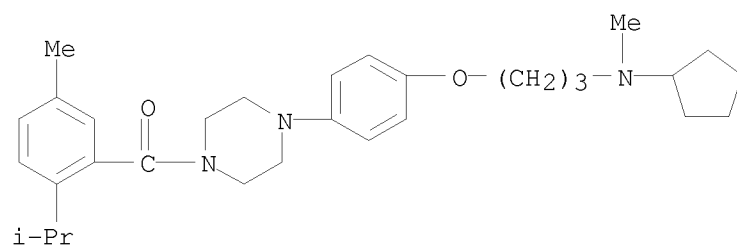
CRN 76-05-1

CMF C2 H F3 O2



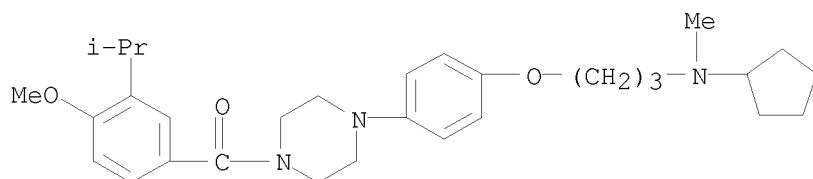
RN 684245-22-5 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-23-6 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)

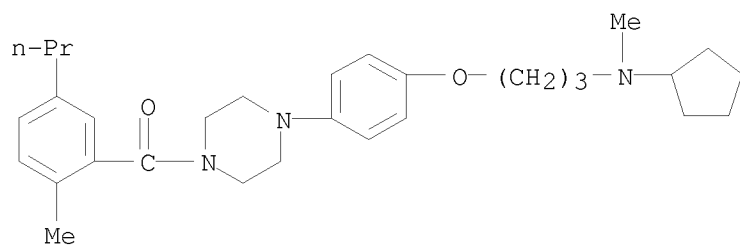


RN 684245-24-7 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methyl-5-

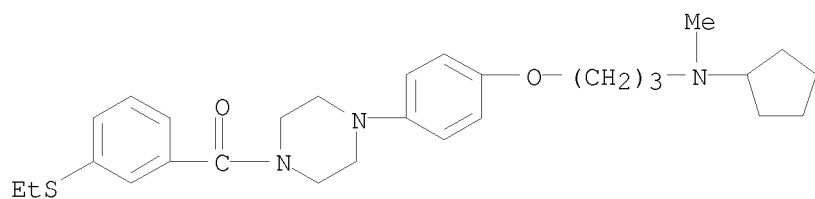
10/531,758

propylbenzoyl)- (9CI) (CA INDEX NAME)



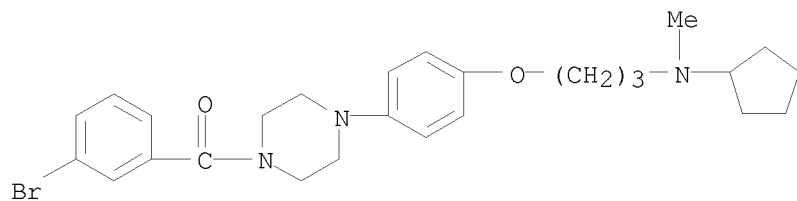
RN 684245-25-8 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-(ethylthio)benzoyl]- (9CI) (CA INDEX NAME)



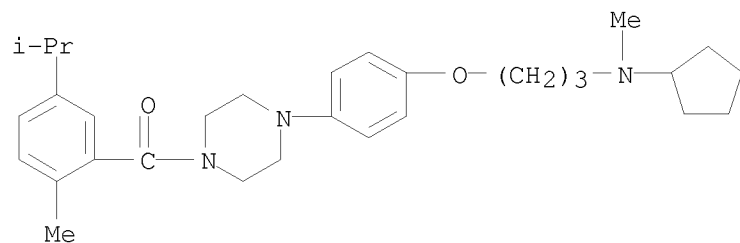
RN 684245-26-9 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-27-0 CAPLUS

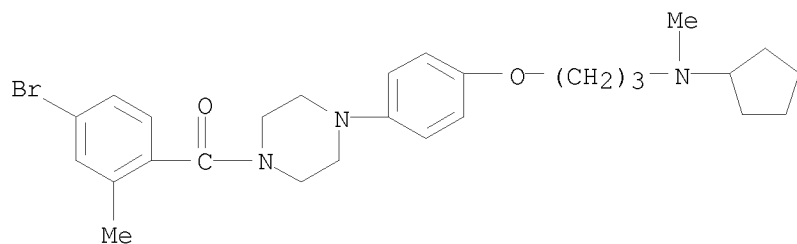
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



10/531,758

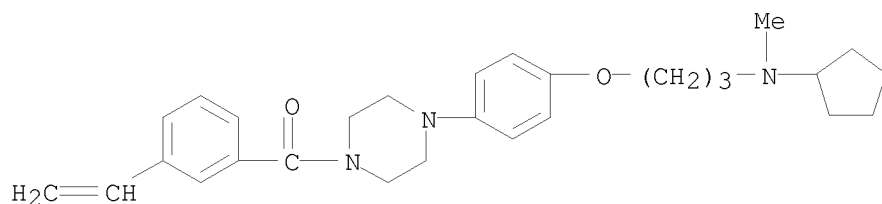
RN 684245-28-1 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



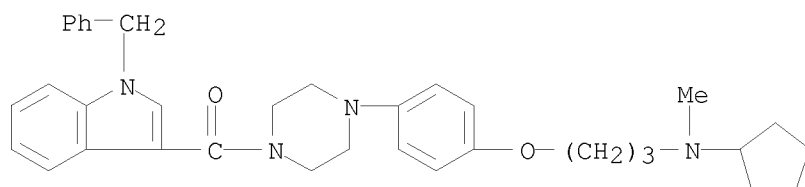
RN 684245-29-2 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(3-ethenylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-30-5 CAPLUS

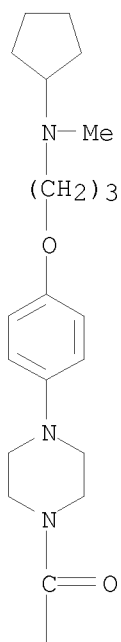
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



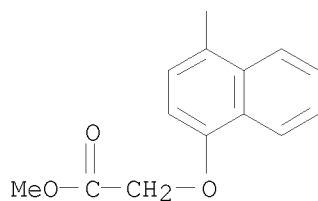
RN 684245-31-6 CAPLUS

CN Acetic acid, [[4-[[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

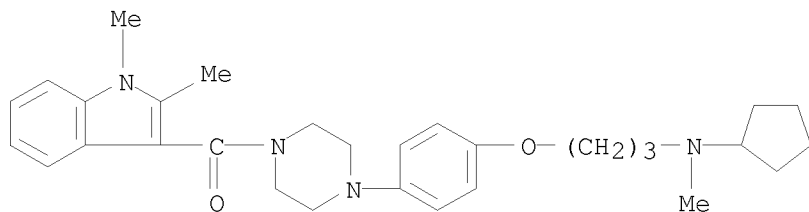


PAGE 2-A



RN 684245-32-7 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]- (9CI) (CA INDEX NAME)

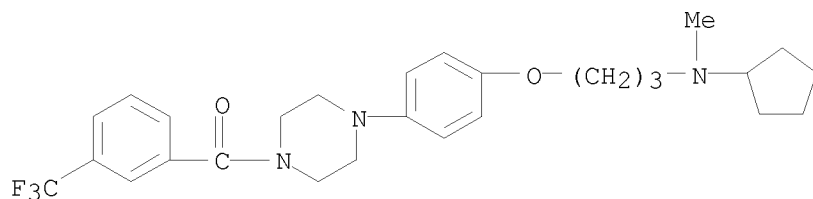


RN 684245-33-8 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-

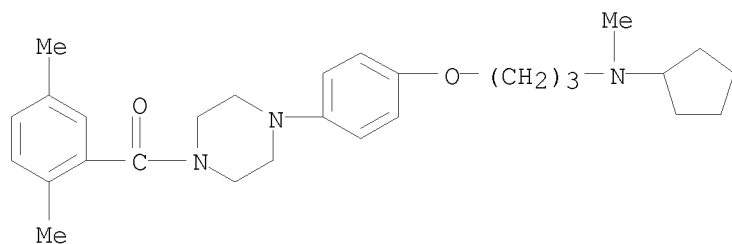
10/531,758

(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



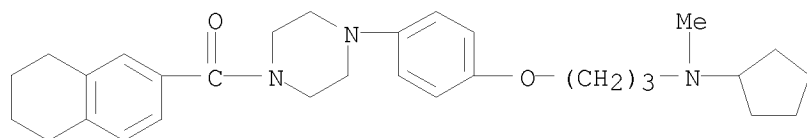
RN 684245-34-9 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,5-dimethylbenzoyl)- (9CI) (CA INDEX NAME)



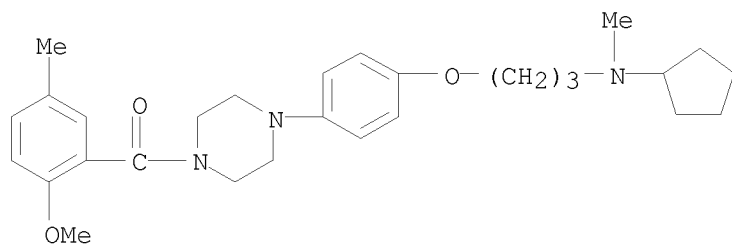
RN 684245-35-0 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684245-36-1 CAPLUS

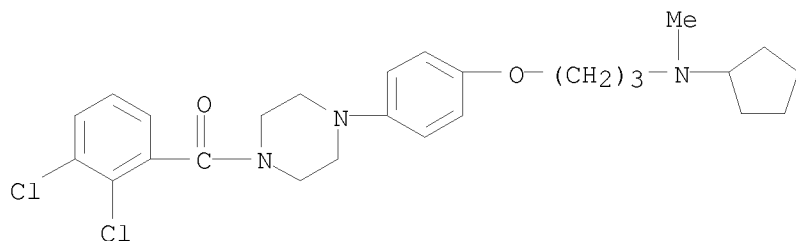
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-37-2 CAPLUS

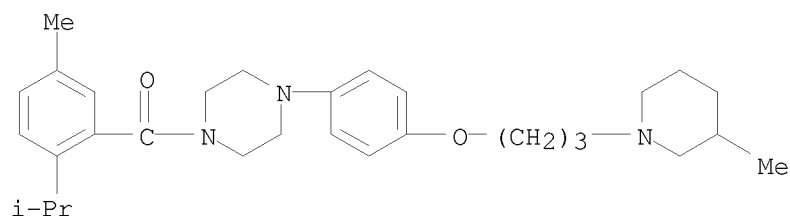
10/531,758

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,3-dichlorobenzoyl)- (9CI) (CA INDEX NAME)



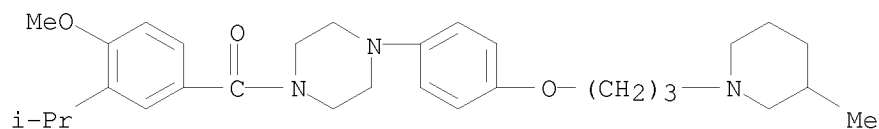
RN 684245-38-3 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



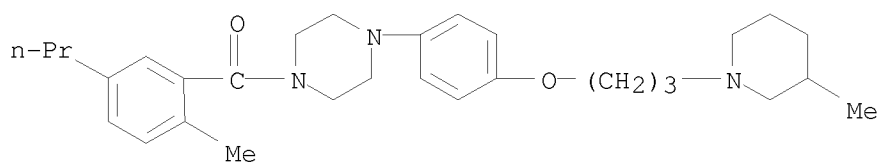
RN 684245-39-4 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-40-7 CAPLUS

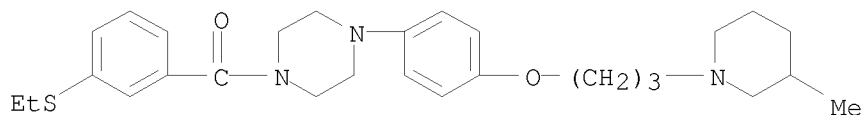
CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-41-8 CAPLUS

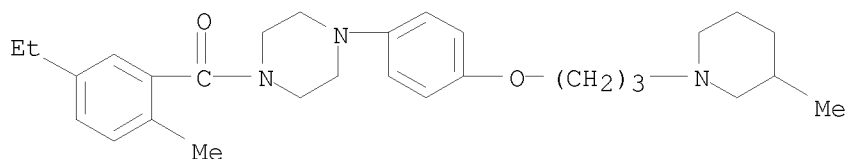
CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



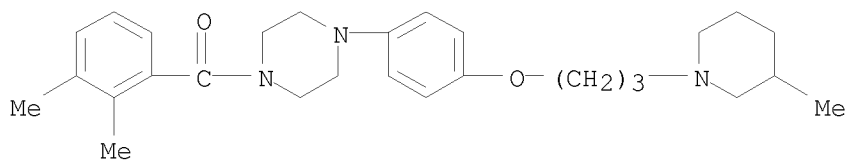
RN 684245-42-9 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



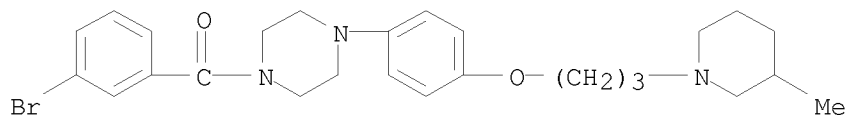
RN 684245-43-0 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



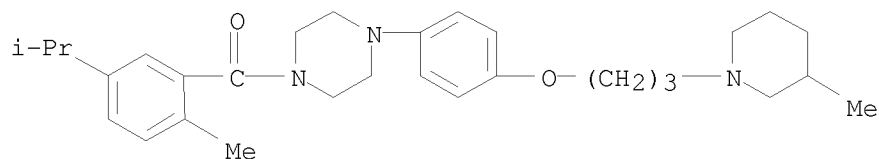
RN 684245-44-1 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-45-2 CAPLUS

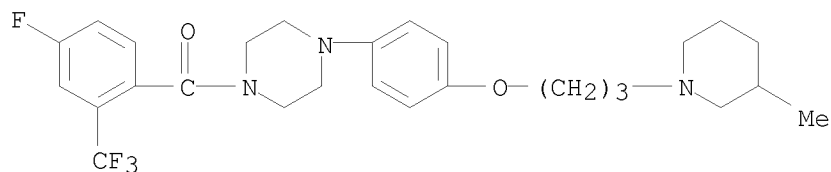
CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



10/531,758

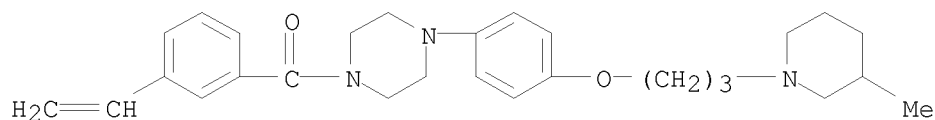
RN 684245-46-3 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



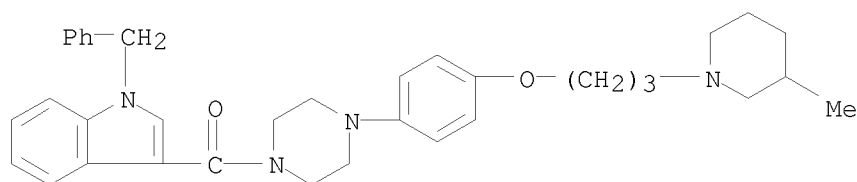
RN 684245-47-4 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



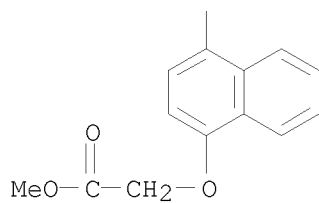
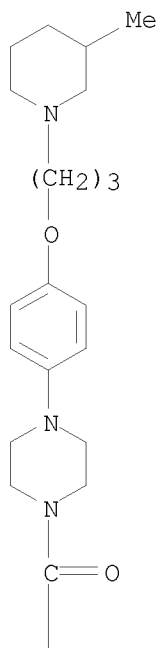
RN 684245-48-5 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



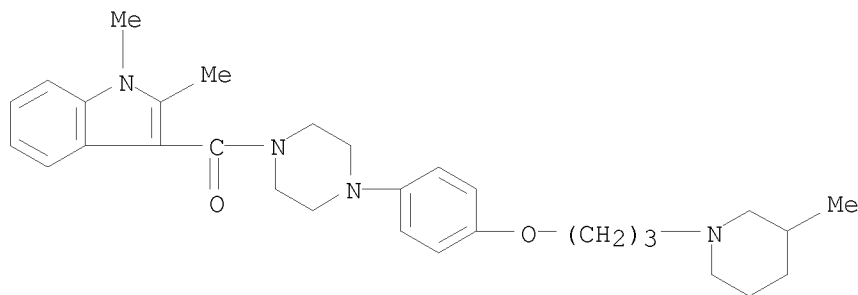
RN 684245-49-6 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 684245-50-9 CAPLUS

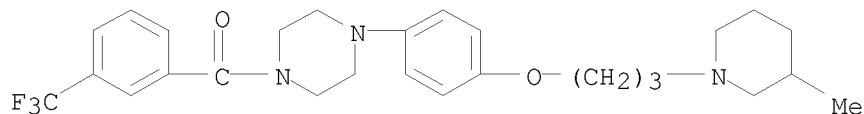
CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(3-methyl-1-piperidinyloxy)propoxy]phenyl]- (9CI) (CA INDEX NAME)



10/531,758

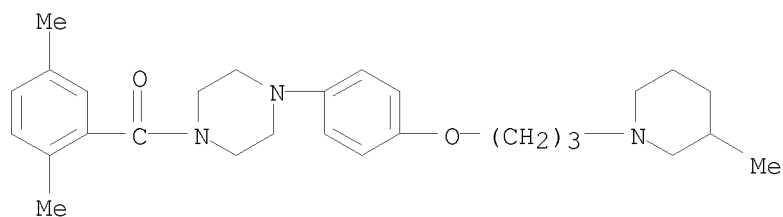
RN 684245-51-0 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



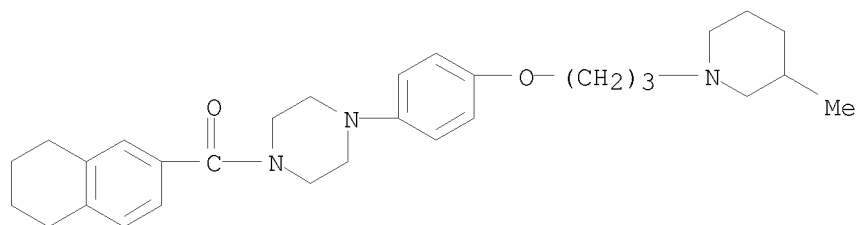
RN 684245-52-1 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



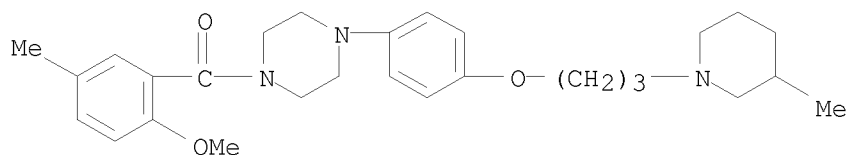
RN 684245-53-2 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684245-54-3 CAPLUS

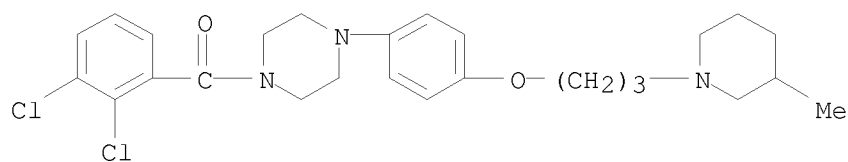
CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-55-4 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



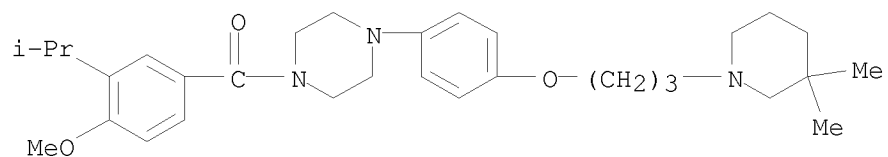
RN 684245-57-6 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-56-5

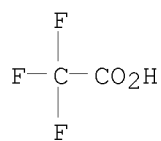
CMF C31 H45 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



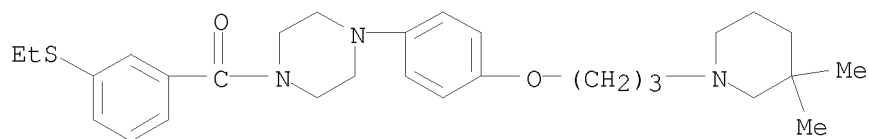
RN 684245-59-8 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[3-(ethylthio)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-58-7

CMF C29 H41 N3 O2 S

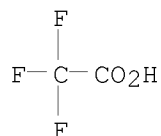


10/531,758

CM 2

CRN 76-05-1

CMF C2 H F3 O2



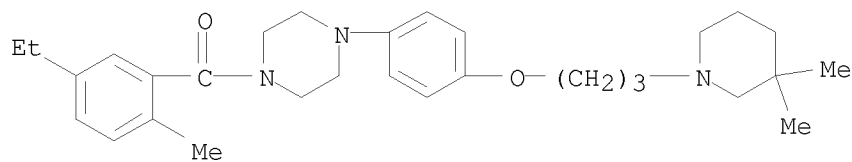
RN 684245-61-2 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(5-ethyl-2-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-60-1

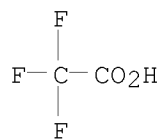
CMF C30 H43 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-63-4 CAPLUS

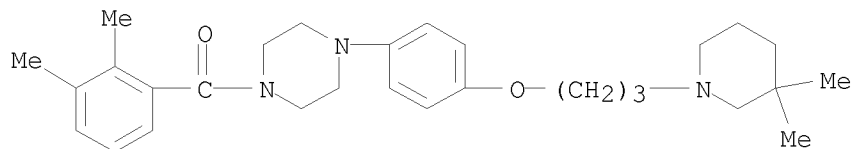
CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-62-3

CMF C29 H41 N3 O2

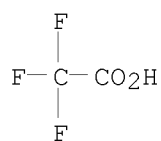
10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



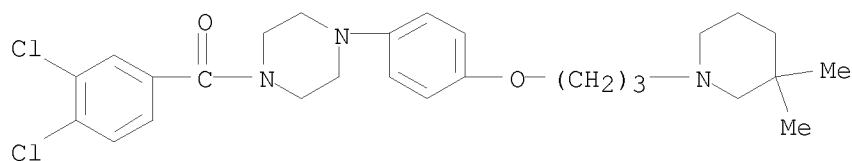
RN 684245-65-6 CAPLUS

CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-64-5

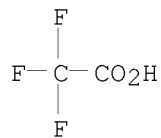
CMF C27 H35 Cl2 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-67-8 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3,3-dimethyl-1-

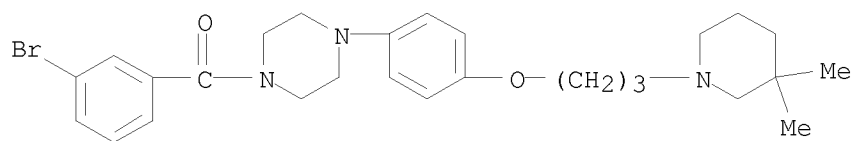
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piperidiny]propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-66-7

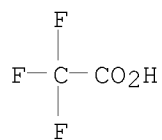
CMF C27 H36 Br N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



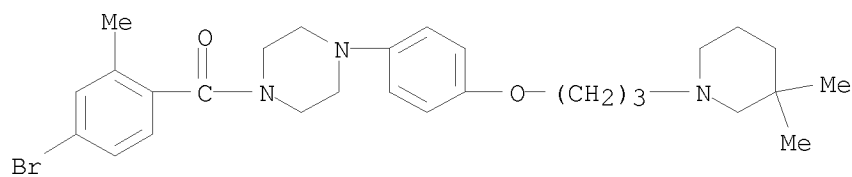
RN 684245-69-0 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidiny)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-68-9

CMF C28 H38 Br N3 O2

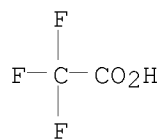


CM 2

CRN 76-05-1

CMF C2 H F3 O2

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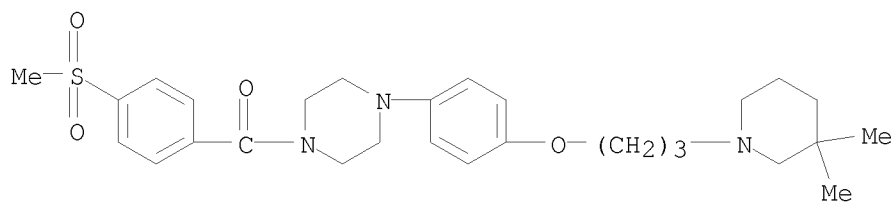
RN 684245-71-4 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-70-3

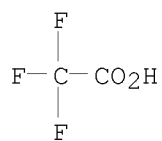
CMF C28 H39 N3 O4 S



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-73-6 CAPLUS

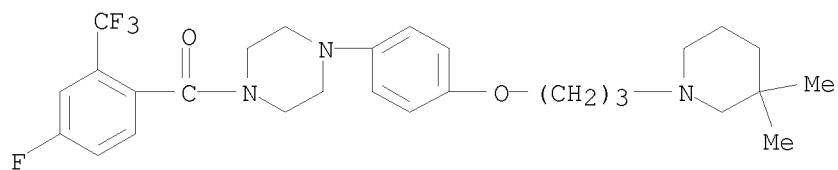
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-72-5

CMF C28 H35 F4 N3 O2

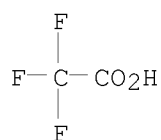
10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



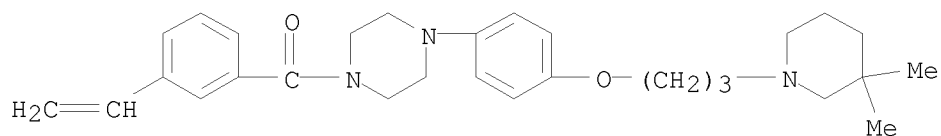
RN 684245-75-8 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(3-ethenylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-74-7

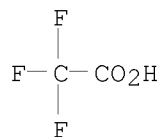
CMF C29 H39 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-77-0 CAPLUS

CN Acetic acid, [[4-[[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester,

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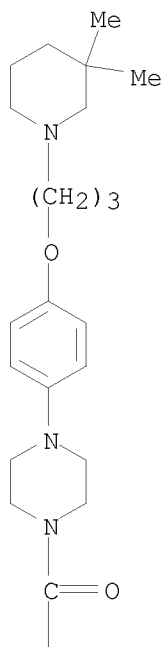
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

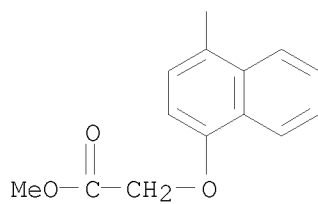
CRN 684245-76-9

CMF C34 H43 N3 O5

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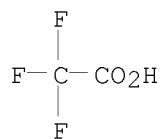


CM 2

CRN 76-05-1

CMF C2 H F3 O2

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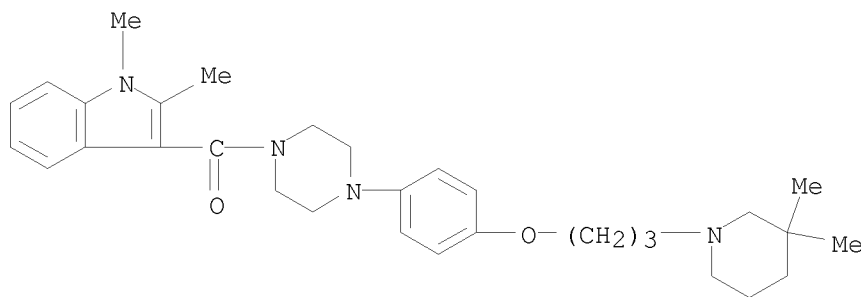
RN 684245-80-5 CAPLUS

CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-79-2

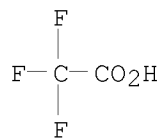
CMF C31 H42 N4 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-82-7 CAPLUS

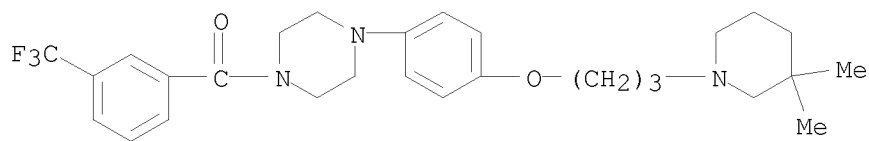
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-81-6

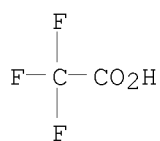
CMF C28 H36 F3 N3 O2

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CM 2

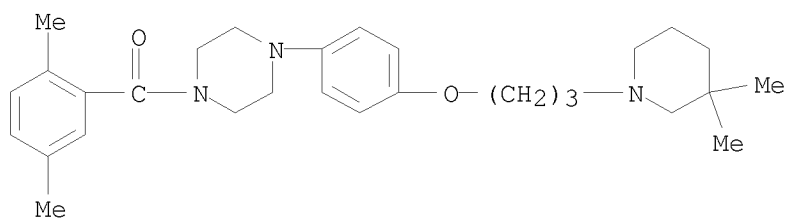
CRN 76-05-1  
CMF C2 H F3 O2



RN 684245-84-9 CAPLUS  
CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

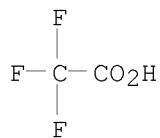
CM 1

CRN 684245-83-8  
CMF C29 H41 N3 O2



CM 2

CRN 76-05-1  
CMF C2 H F3 O2



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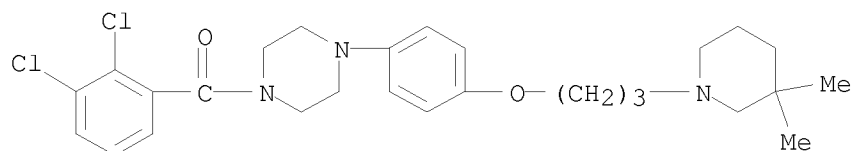
RN 684245-86-1 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-85-0

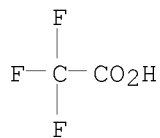
CMF C27 H35 Cl2 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



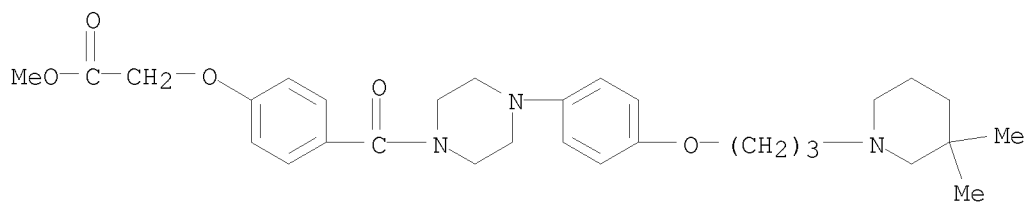
RN 684245-88-3 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-87-2

CMF C30 H41 N3 O5

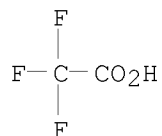


CM 2

CRN 76-05-1

CMF C2 H F3 O2

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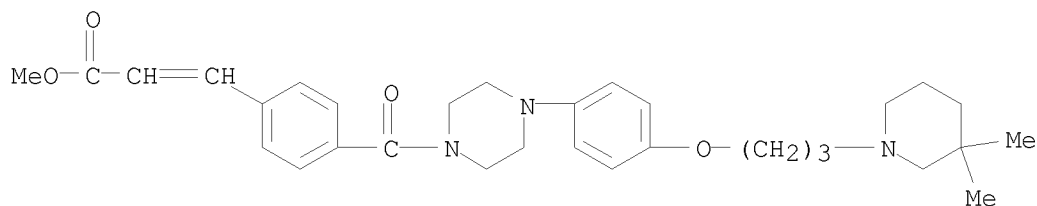
RN 684245-90-7 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-89-4

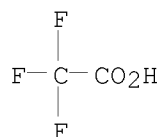
CMF C31 H41 N3 O4



CM 2

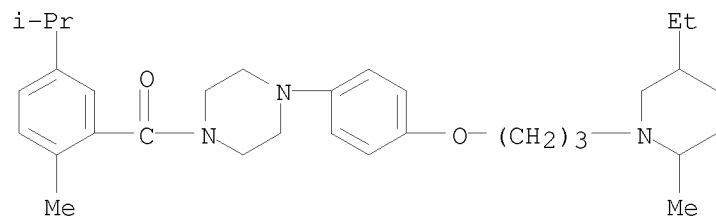
CRN 76-05-1

CMF C2 H F3 O2



RN 684245-91-8 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



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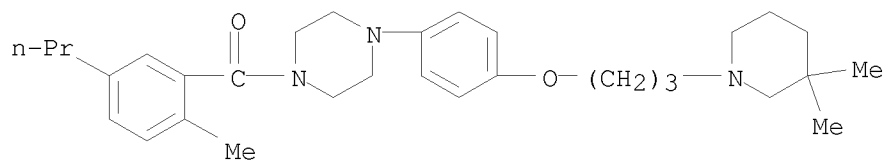
RN 684245-93-0 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-92-9

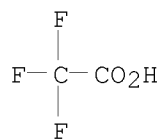
CMF C31 H45 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-95-2 CAPLUS

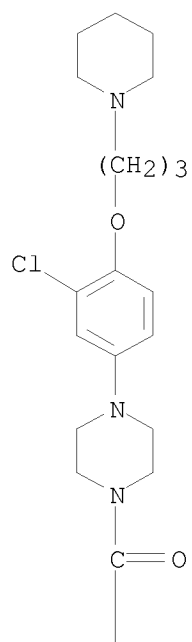
CN Formic acid, compd. with 1-[3-chloro-4-[3-(1-piperidiny)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

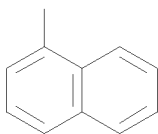
CRN 684245-94-1

CMF C29 H34 Cl N3 O2

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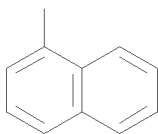
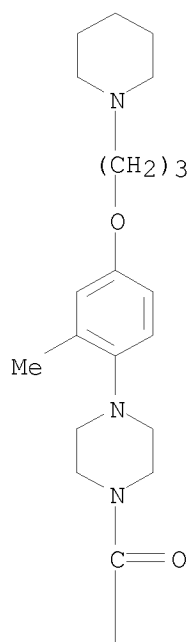
CM 2

CRN 64-18-6

$$\text{CMF} \quad \text{C} \quad \text{H}_2 \quad \text{O}_2$$
$$\text{O}=\text{CH}-\text{OH}$$

RN 684245-97-4 CAPLUS

CN Piperazine, 1-[2-methyl-4-[3-(1-piperidinyloxy)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



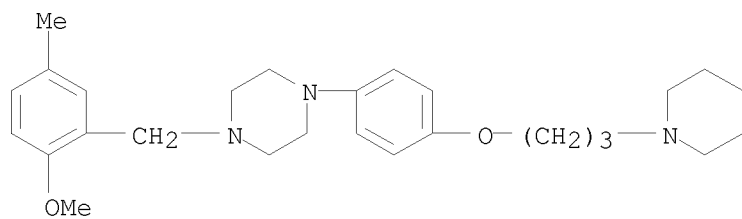
RN 684245-99-6 CAPLUS

CN Formic acid, compd. with 1-[(2-methoxy-5-methylphenyl)methyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (CA INDEX NAME)

CM 1

CRN 684245-98-5

CMF C27 H39 N3 O2



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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

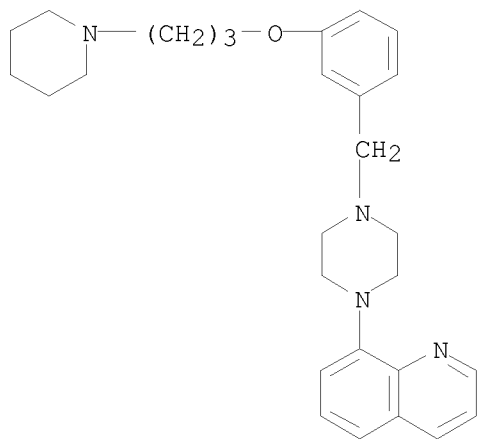
RN 684246-01-3 CAPLUS

CN Quinoline, 8-[4-[[3-[3-(1-piperidinyl)propoxy]phenyl]methyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-00-2

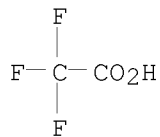
CMF C28 H36 N4 O



CM 2

CRN 76-05-1

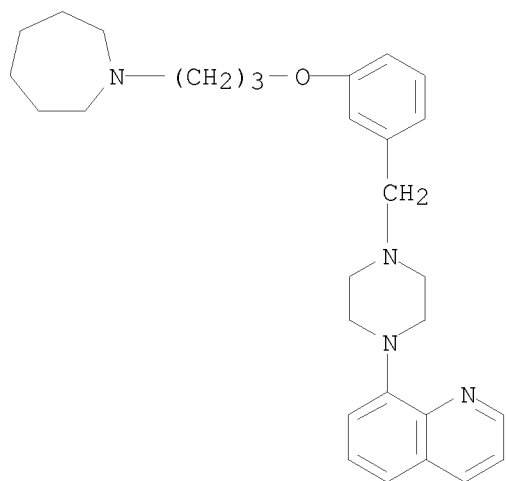
CMF C2 H F3 O2



RN 684246-02-4 CAPLUS

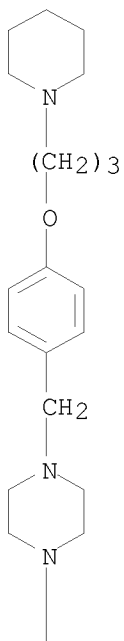
CN Quinoline, 8-[4-[[3-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)

10/531,758

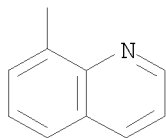


RN 684246-03-5 CAPLUS  
CN Quinoline, 8-[[4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)

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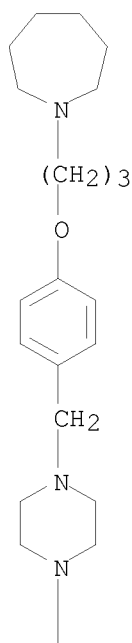


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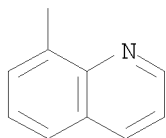


RN 684246-04-6 CAPLUS  
 CN Quinoline, 8-[4-[[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)

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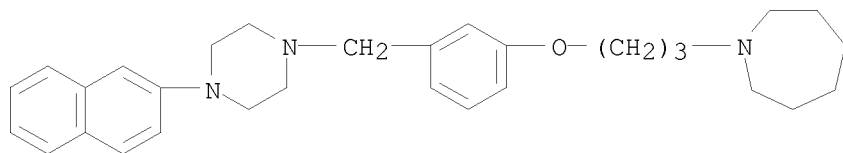


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RN 684246-05-7 CAPLUS  
 CN 1H-Azepine, hexahydro-1-[3-[3-[[4-(2-naphthalenyl)-1-piperazinyl]methyl]phenoxy]propyl]- (CA INDEX NAME)

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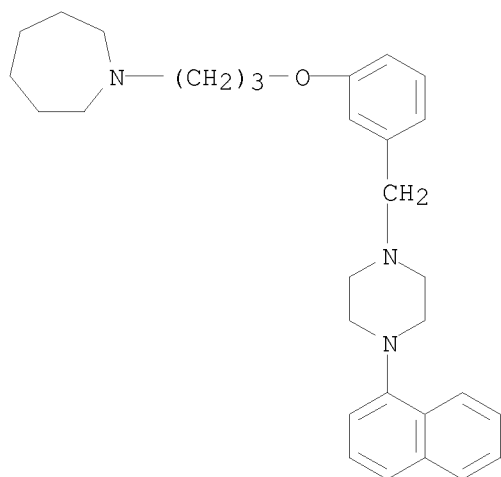
RN 684246-07-9 CAPLUS

CN 1H-Azepine, hexahydro-1-[3-[3-[[4-(1-naphthalenyl)-1-piperazinyl]methyl]phenoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-06-8

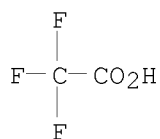
CMF C30 H39 N3 O



CM 2

CRN 76-05-1

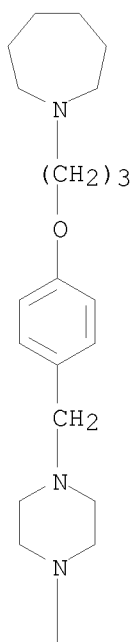
CMF C2 H F3 O2



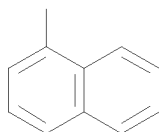
RN 684246-08-0 CAPLUS

CN 1H-Azepine, hexahydro-1-[3-[4-[[4-(1-naphthalenyl)-1-piperazinyl]methyl]phenoxy]propyl]- (CA INDEX NAME)

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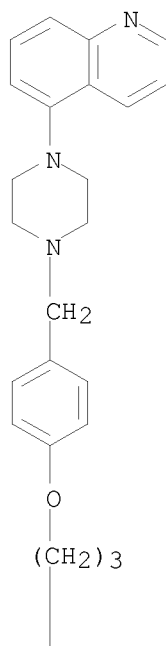


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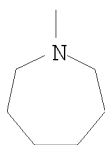


RN 684246-09-1 CAPLUS  
 CN Quinoline, 5-[4-[[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)

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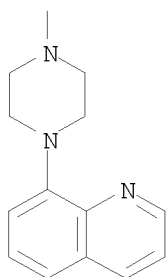
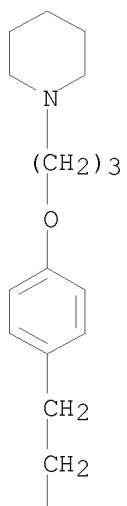
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RN 684246-11-5 CAPLUS  
CN Quinoline, 8-[4-[2-[4-[3-(1-piperidinyloxy)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

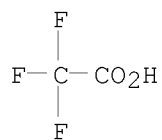
CM 1

CRN 684246-10-4  
CMF C29 H38 N4 O



CM 2

CRN 76-05-1  
CMF C2 H F3 O2



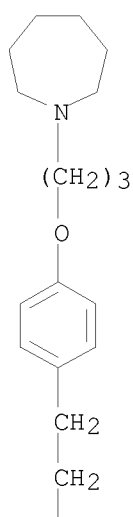
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RN 684246-13-7 CAPLUS  
CN Quinoline, 8-[4-[2-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

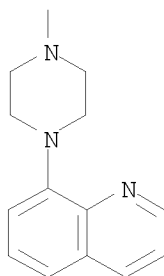
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CRN 684246-12-6  
CMF C30 H40 N4 O

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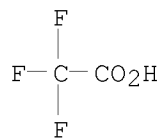
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CM 2

CRN 76-05-1  
CMF C2 H F3 O2

10/531,758



RN 684246-15-9 CAPLUS

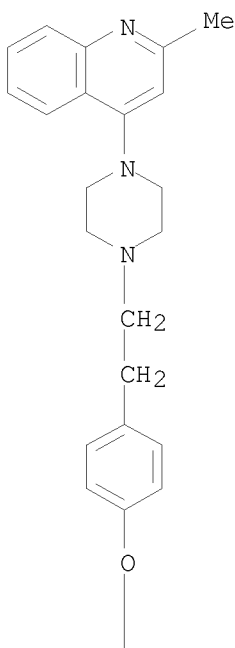
CN Quinoline, 2-methyl-4-[4-[2-[4-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

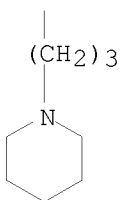
CRN 684246-14-8

CMF C30 H40 N4 O

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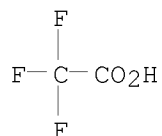


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CM 2

CRN 76-05-1

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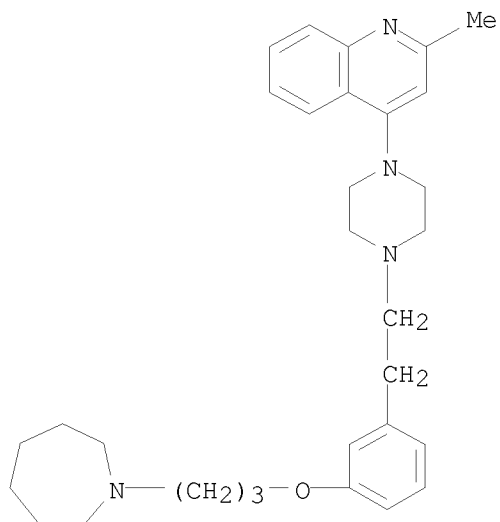
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CN Quinoline, 4-[4-[2-[3-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]ethyl]-1-piperazinyl]-2-methyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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CRN 684246-16-0

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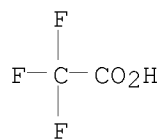


CM 2

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CMF C2 H F3 O2

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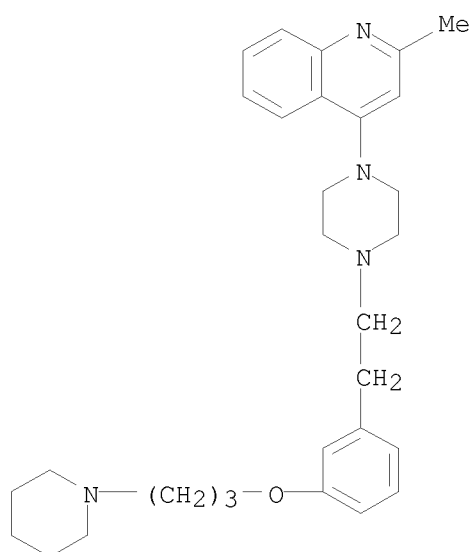
RN 684246-19-3 CAPLUS

CN Quinoline, 2-methyl-4-[4-[2-[3-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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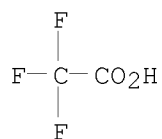
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CM 2

CRN 76-05-1

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RN 684246-21-7 CAPLUS

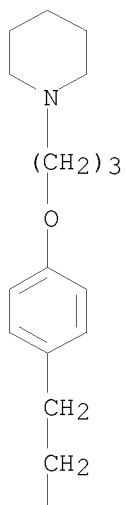
CN Piperazine, 1-(1-naphthalenyl)-4-[2-[4-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10/531,758

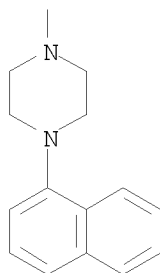
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CRN 684246-20-6  
CMF C30 H39 N3 O

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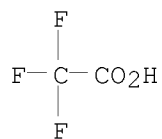
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CM 2

CRN 76-05-1  
CMF C2 H F3 O2

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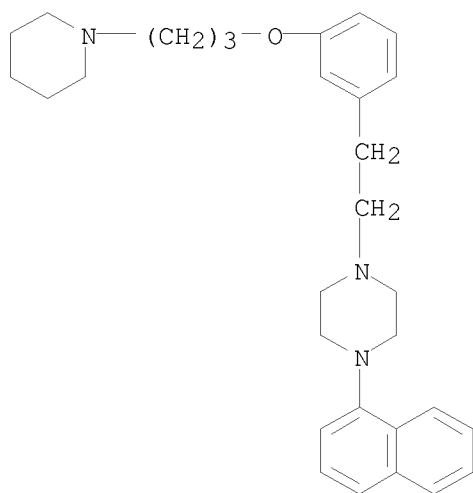
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CN Piperazine, 1-(1-naphthalenyl)-4-[2-[3-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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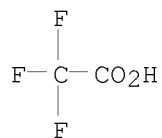
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CM 2

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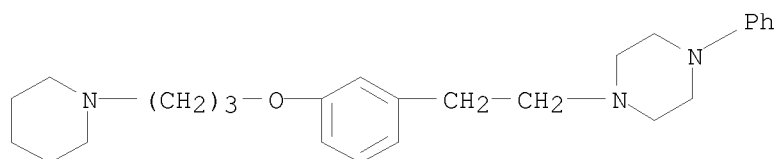
RN 684246-25-1 CAPLUS

CN Piperazine, 1-phenyl-4-[2-[3-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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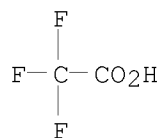
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CRN 684246-24-0  
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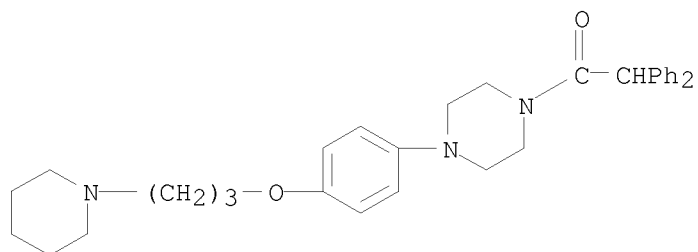


CM 2

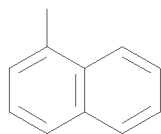
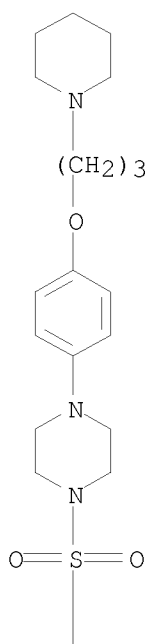
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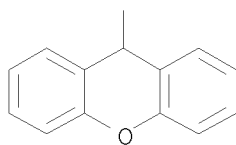
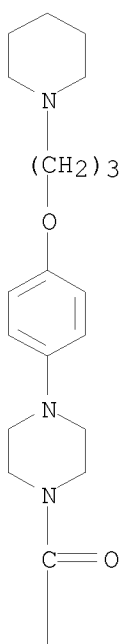
RN 684246-26-2 CAPLUS  
CN Piperazine, 1-(diphenylacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-(9CI) (CA INDEX NAME)



RN 684246-27-3 CAPLUS  
CN Piperazine, 1-(1-naphthalenylsulfonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-(CA INDEX NAME)

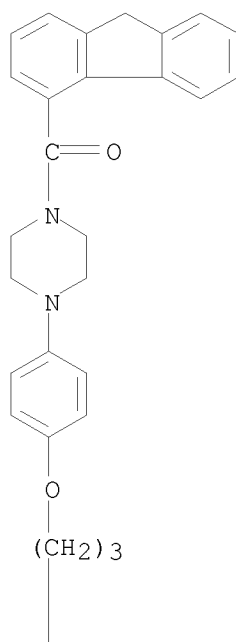


RN 684246-28-4 CAPLUS  
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(9H-xanthen-9-ylcarbonyl)- (9CI) (CA INDEX NAME)

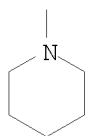


RN 684246-29-5 CAPLUS  
 CN Piperazine, 1-(9H-fluoren-4-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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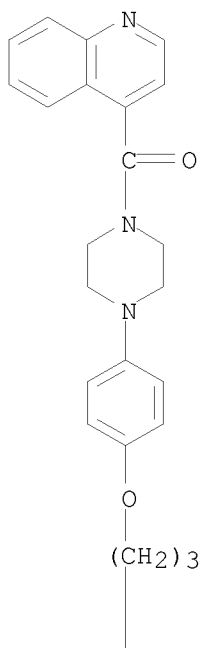


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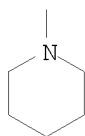


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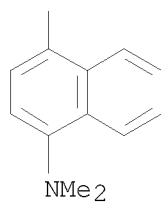
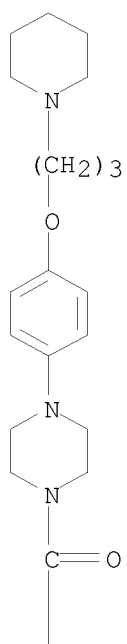
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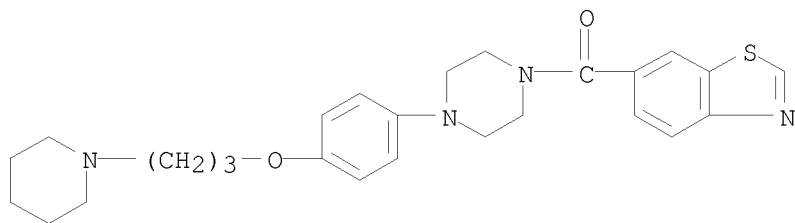
PAGE 2-A



RN 684246-31-9 CAPLUS  
 CN Piperazine, 1-[[4-(dimethylamino)-1-naphthalenyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-32-0 CAPLUS  
 CN Piperazine, 1-(6-benzothiazolylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-34-2 CAPLUS  
 CN 1-Naphthalenecarboxylic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-

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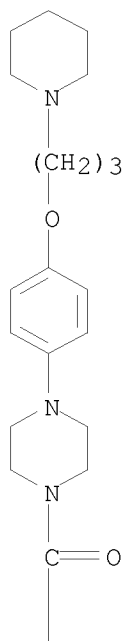
piperazinyl]carbonyl]-, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

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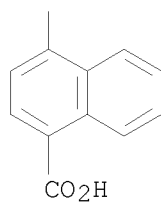
CRN 684246-33-1

CMF C30 H35 N3 O4

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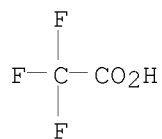


CM 2

CRN 76-05-1

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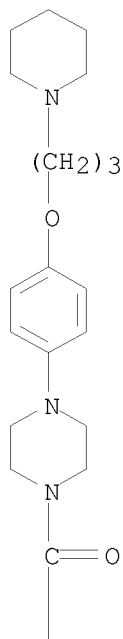
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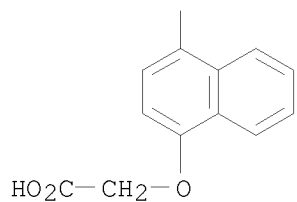
RN 684246-36-4 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

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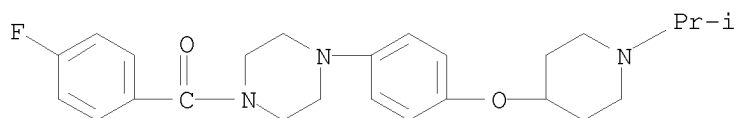
PAGE 2-A



RN 684246-37-5 CAPLUS

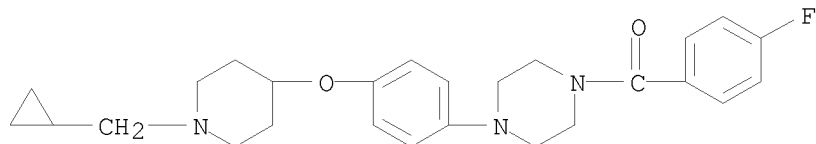
CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



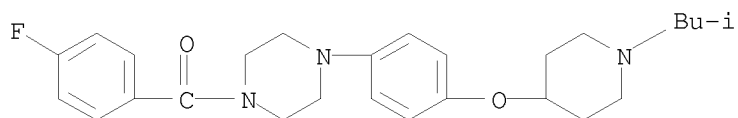
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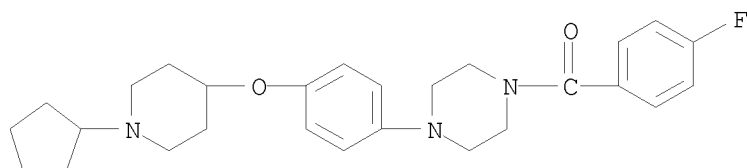
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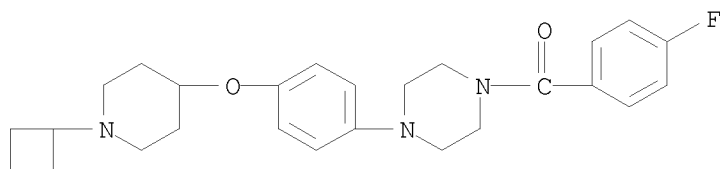
RN 684246-40-0 CAPLUS

CN Piperazine, 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



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CN Piperazine, 1-[4-[(1-cyclobutyl-4-piperidinyloxy)phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)

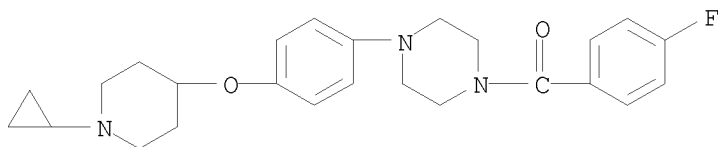


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CN Piperazine, 1-[4-[(1-cyclopropyl-4-piperidinyloxy)phenyl]-4-(4-

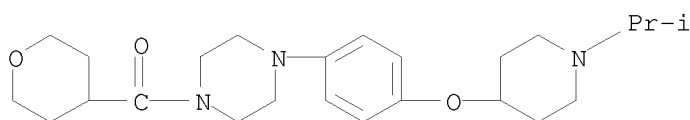
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fluorobenzoyl)- (9CI) (CA INDEX NAME)



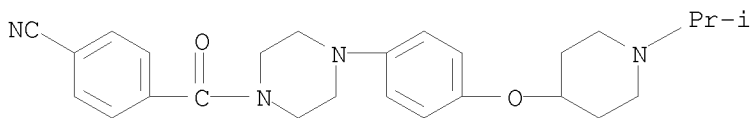
RN 684246-43-3 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684246-44-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



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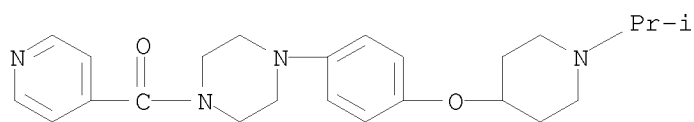
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(preparation of substituted piperazines, [1,4]diazepines, and  
2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists  
or histamine H3 reverse antagonists)

RN 684246-45-5 CAPLUS

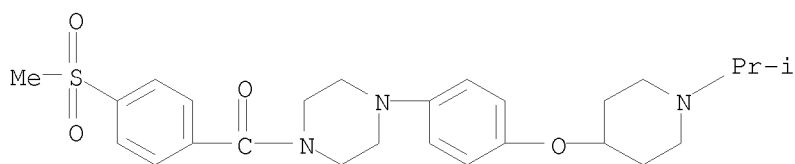
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CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-(4-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)



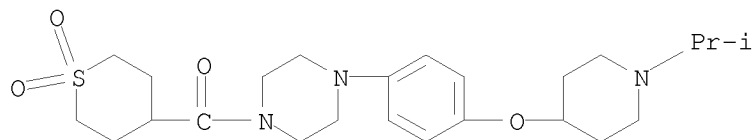
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CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684246-47-7 CAPLUS

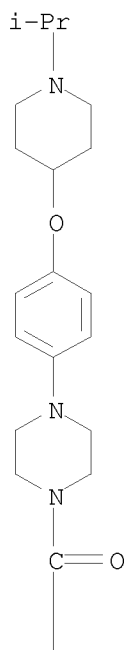
CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



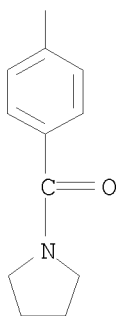
RN 684246-48-8 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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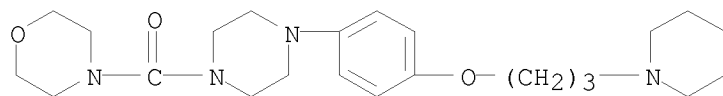


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RN 684246-49-9 CAPLUS

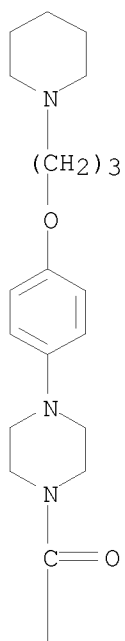
CN Morpholine, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



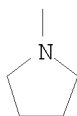
RN 684246-50-2 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)

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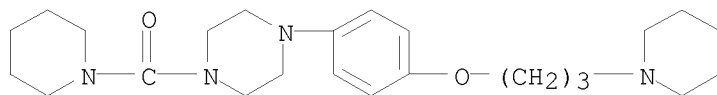


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RN 684246-51-3 CAPLUS

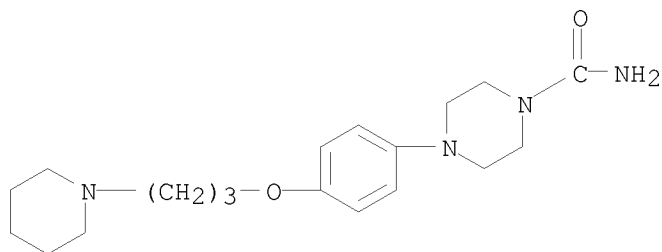
CN Piperazine, 1-(1-piperidinylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 684246-52-4 CAPLUS

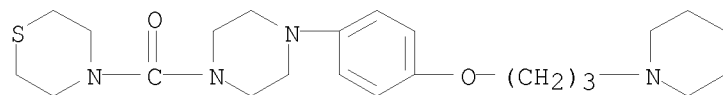
CN 1-Piperazinecarboxamide, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

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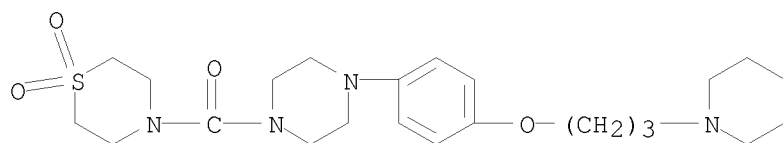
RN 684246-53-5 CAPLUS

CN Thiomorpholine, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



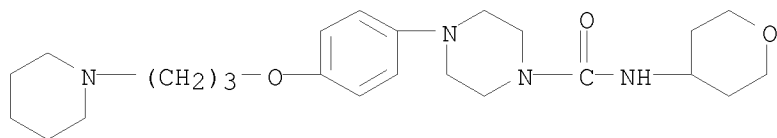
RN 684246-54-6 CAPLUS

CN Thiomorpholine, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, 1,1-dioxide (CA INDEX NAME)



RN 684246-55-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

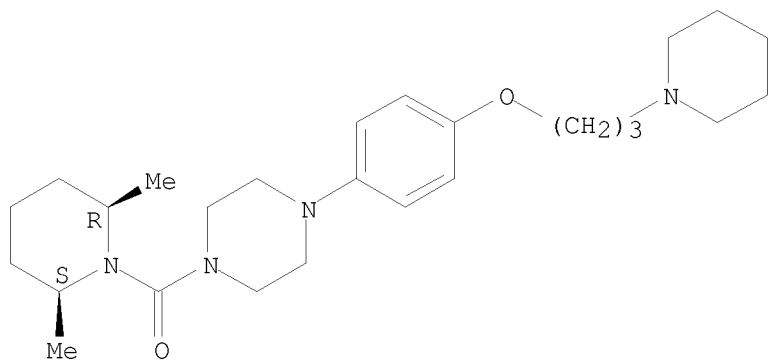


RN 684246-56-8 CAPLUS

CN Piperazine, 1-[[[(2R,6S)-2,6-dimethyl-1-piperidinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, rel- (CA INDEX NAME)

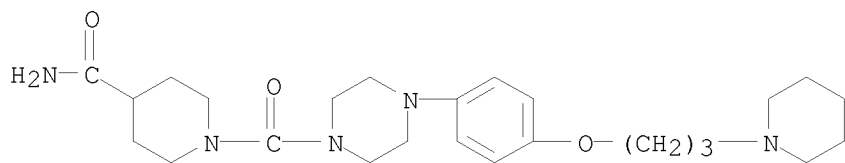
Relative stereochemistry.

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RN 684246-57-9 CAPLUS

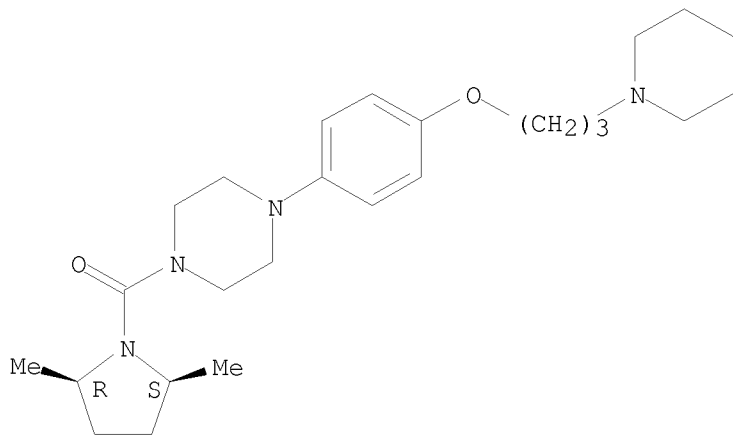
CN 4-Piperidinecarboxamide, 1-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-58-0 CAPLUS

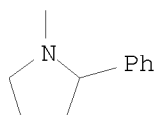
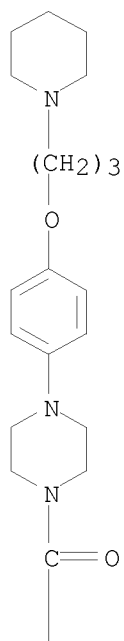
CN Piperazine, 1-[(2R,5S)-2,5-dimethyl-1-pyrrolidinyl]carbonyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



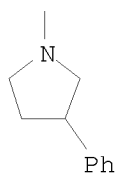
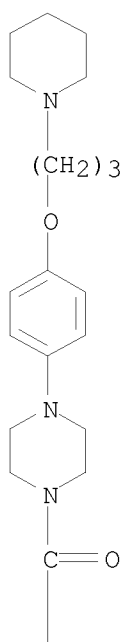
RN 684246-59-1 CAPLUS

CN Piperazine, 1-[(2-phenyl-1-pyrrolidinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

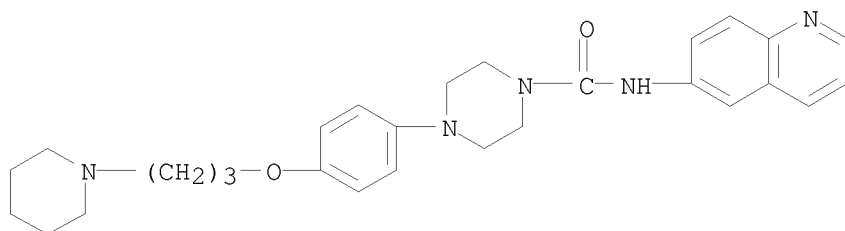


RN 684246-60-4 CAPLUS

CN Piperazine, 1-[(3-phenyl-1-pyrrolidinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

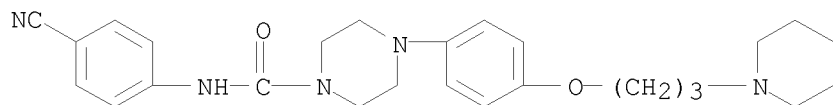


RN 684246-61-5 CAPLUS  
 CN 1-Piperazinecarboxamide, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-N-6-quinolinyl- (CA INDEX NAME)



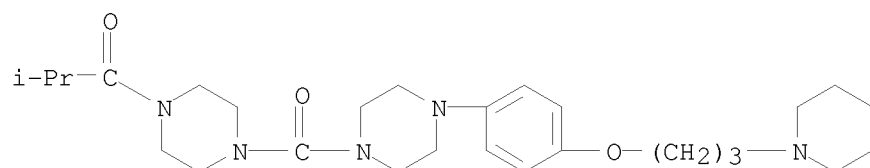
RN 684246-62-6 CAPLUS  
 CN 1-Piperazinecarboxamide, N-(4-cyanophenyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

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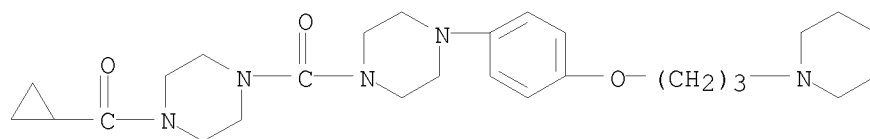
RN 684246-65-9 CAPLUS

CN Piperazine, 1-[[4-(2-methyl-1-oxopropyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



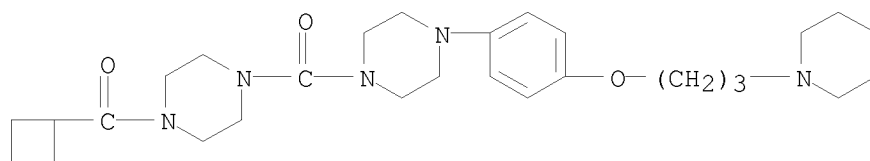
RN 684246-66-0 CAPLUS

CN Piperazine, 1-[[4-(cyclopropylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-67-1 CAPLUS

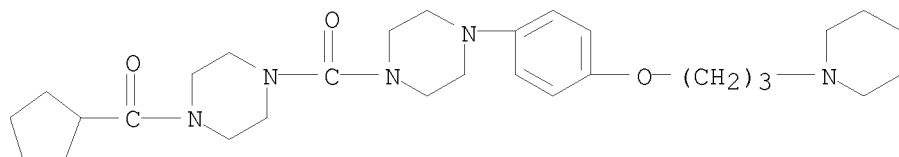
CN Piperazine, 1-[[4-(cyclobutylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-68-2 CAPLUS

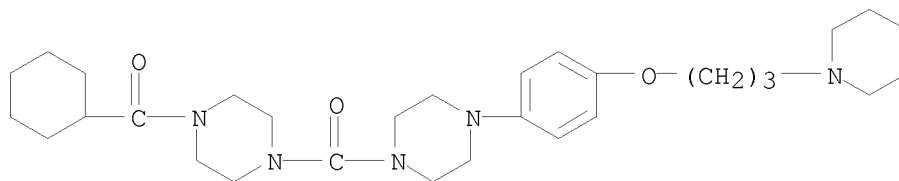
CN Piperazine, 1-[[4-(cyclopentylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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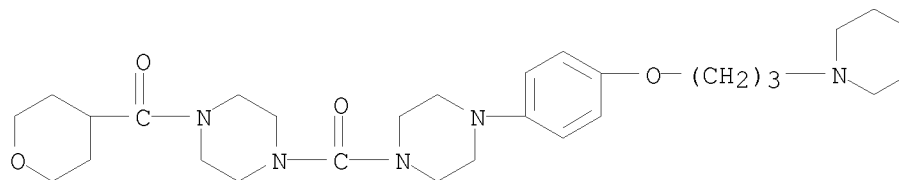
RN 684246-69-3 CAPLUS

CN Piperazine, 1-[[4-(cyclohexylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



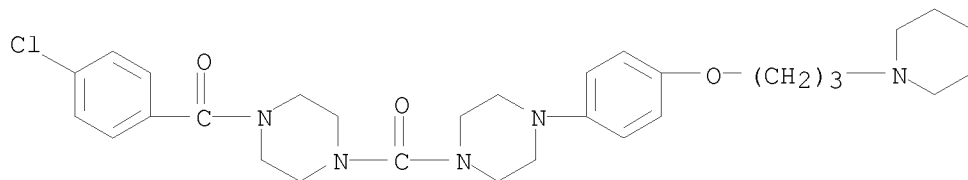
RN 684246-70-6 CAPLUS

CN Piperazine, 1-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684246-71-7 CAPLUS

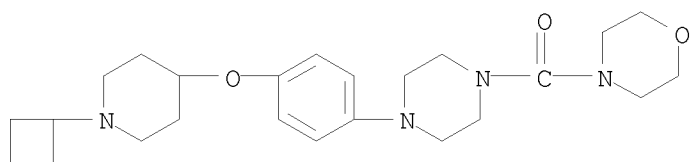
CN Piperazine, 1-[[4-(4-chlorobenzoyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-72-8 CAPLUS

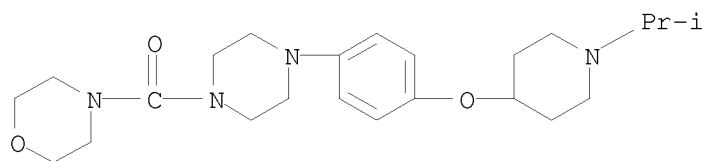
CN Morpholine, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)

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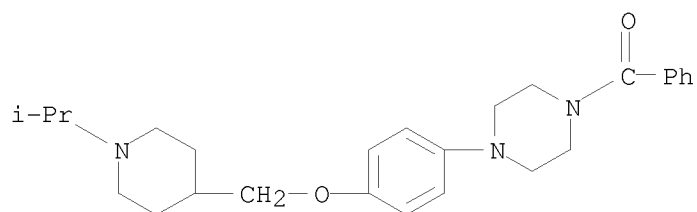
RN 684246-73-9 CAPLUS

CN Morpholine, 4-[[4-[[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-74-0 CAPLUS

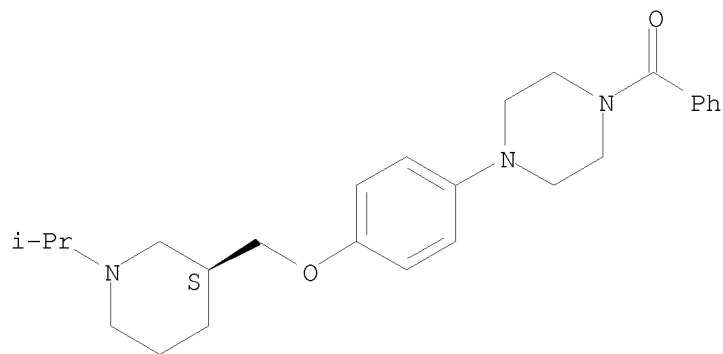
CN Piperazine, 1-benzoyl-4-[[4-[[1-(1-methylethyl)-4-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-75-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[[4-[[[(3S)-1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

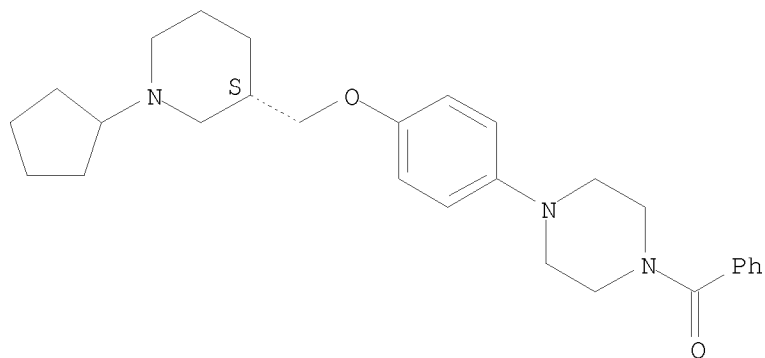


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RN 684246-76-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3S)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

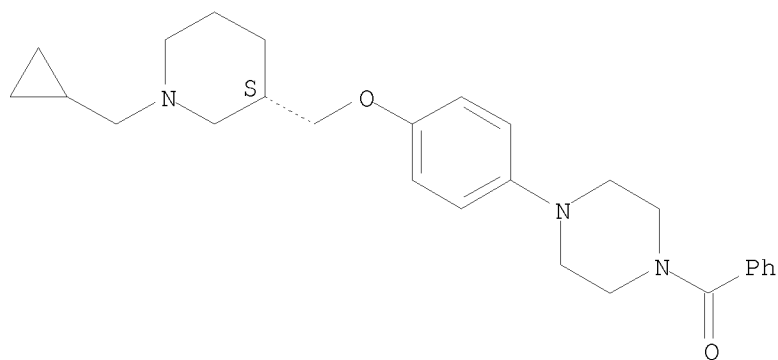
Absolute stereochemistry.



RN 684246-77-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3S)-1-(cyclopropylmethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

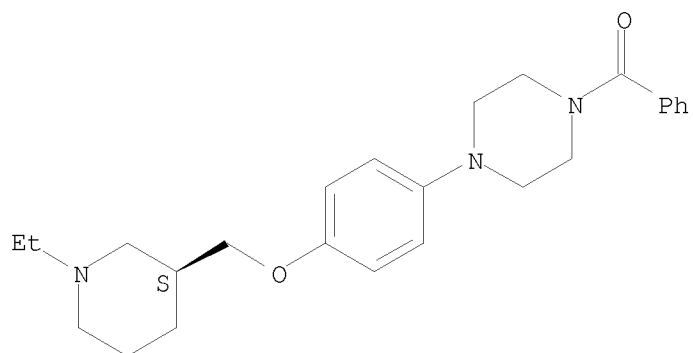


RN 684246-78-4 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3S)-1-ethyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

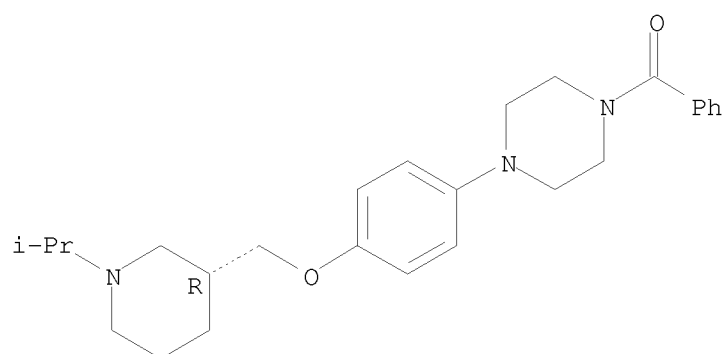
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RN 684246-79-5 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3R)-1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

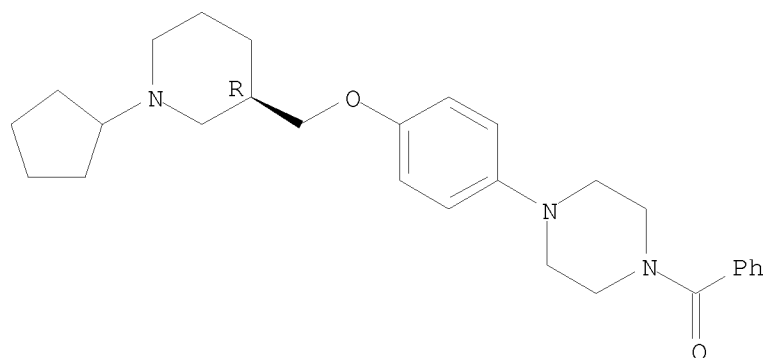
Absolute stereochemistry.



RN 684246-80-8 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3R)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

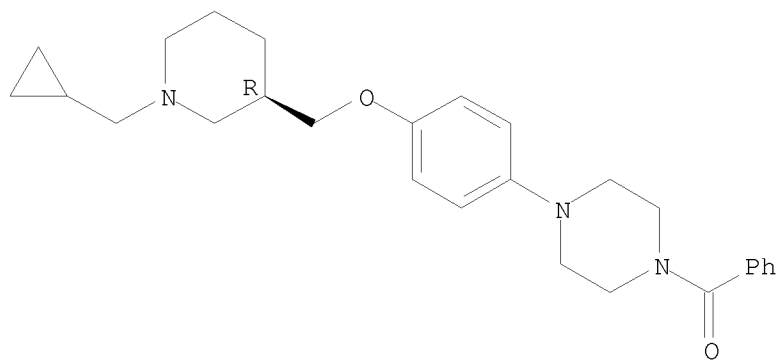


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RN 684246-81-9 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[ (3R)-1-(cyclopropylmethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

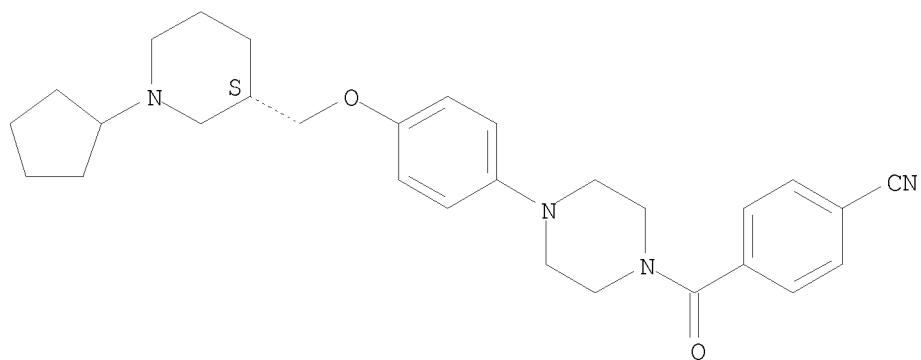
Absolute stereochemistry.



RN 684246-82-0 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[ (3S)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

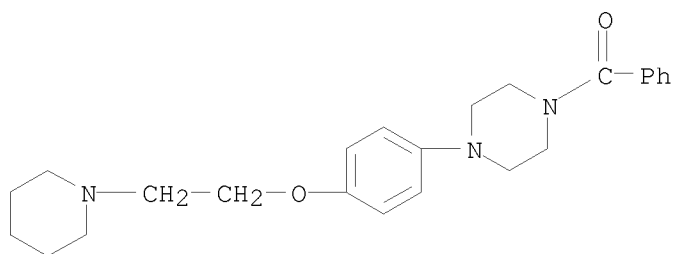
Absolute stereochemistry.



RN 684246-83-1 CAPLUS

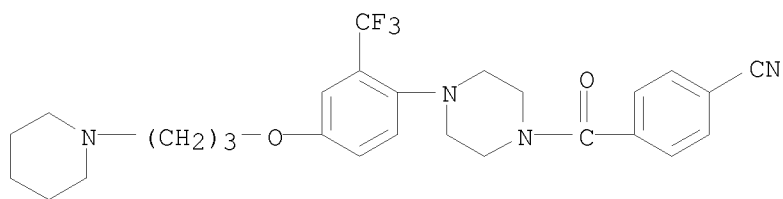
CN Piperazine, 1-benzoyl-4-[4-[2-(1-piperidinyl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)

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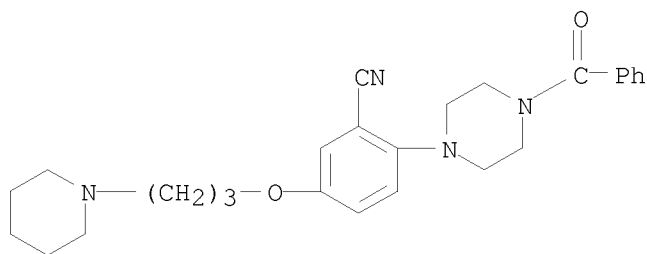
RN 684246-84-2 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



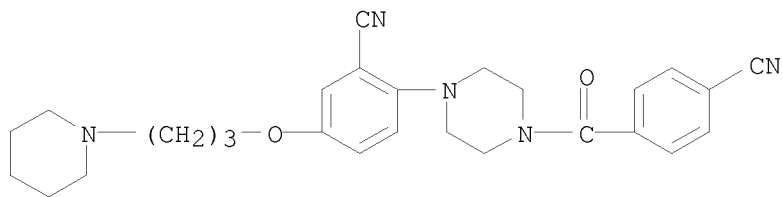
RN 684246-85-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-86-4 CAPLUS

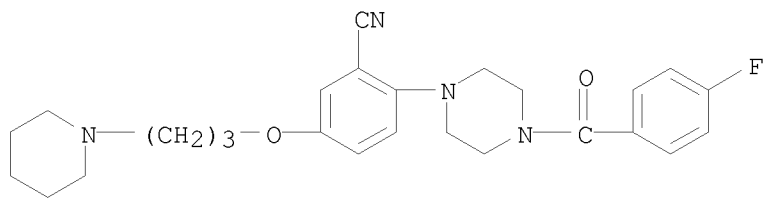
CN Piperazine, 1-(4-cyanobenzoyl)-4-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-87-5 CAPLUS

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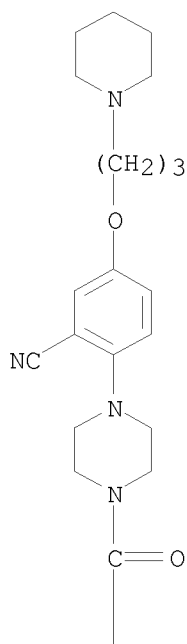
CN Piperazine, 1-[2-cyano-4-[3-(1-piperidiny)propoxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)

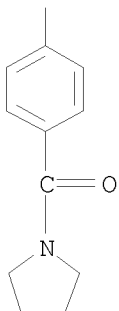


RN 684246-88-6 CAPLUS

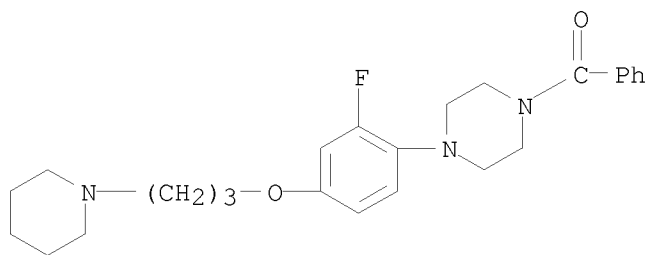
CN Piperazine, 1-[2-cyano-4-[3-(1-piperidiny)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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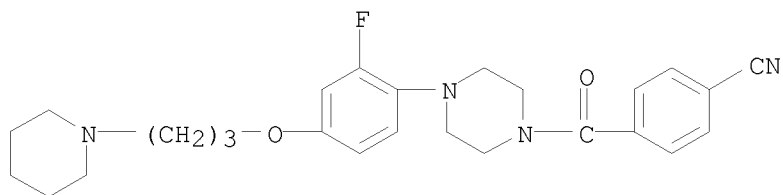




RN 684246-89-7 CAPLUS  
 CN Piperazine, 1-benzoyl-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-  
 (9CI) (CA INDEX NAME)

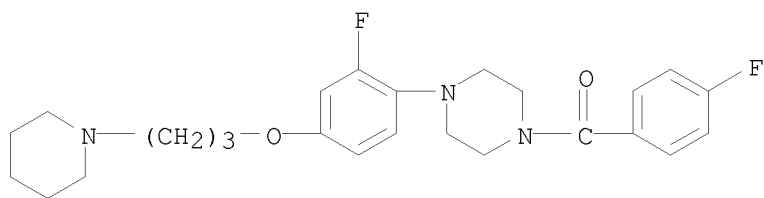


RN 684246-90-0 CAPLUS  
 CN Piperazine, 1-(4-cyanobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



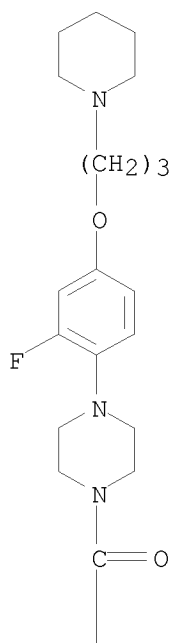
RN 684246-91-1 CAPLUS  
 CN Piperazine, 1-(4-fluorobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758

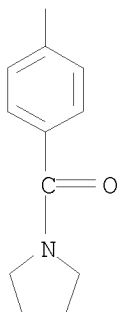


RN 684246-92-2 CAPLUS  
CN Piperazine, 1-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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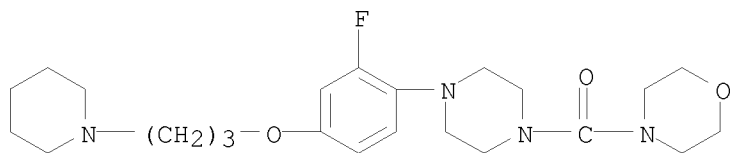
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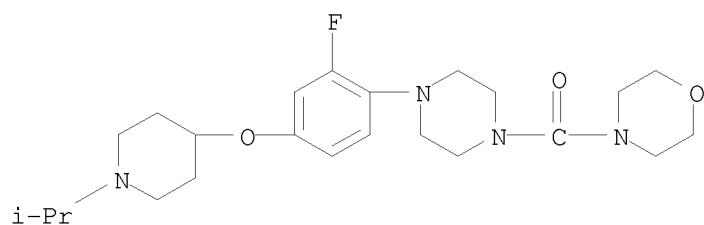
RN 684246-93-3 CAPLUS

CN Morpholine, 4-[[4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-94-4 CAPLUS

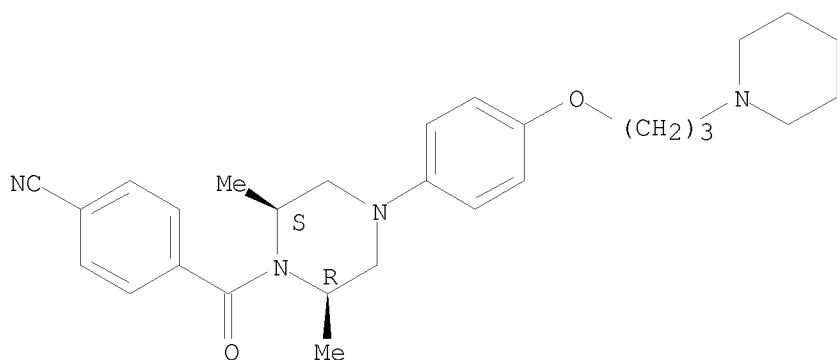
CN Morpholine, 4-[[4-[2-fluoro-4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-95-5 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,6-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,6S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

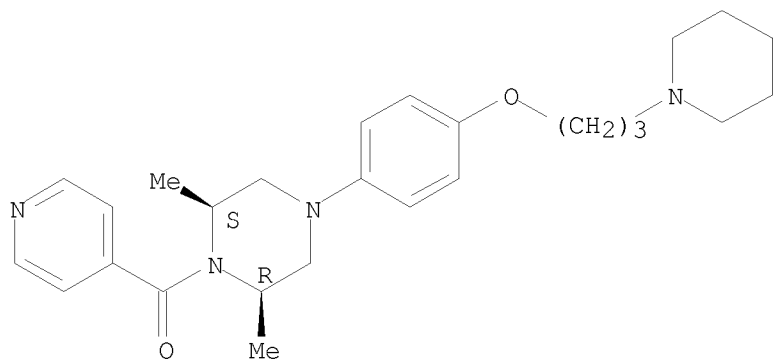


RN 684246-96-6 CAPLUS

CN Piperazine, 2,6-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-(4-pyridinylcarbonyl)-, (2R,6S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

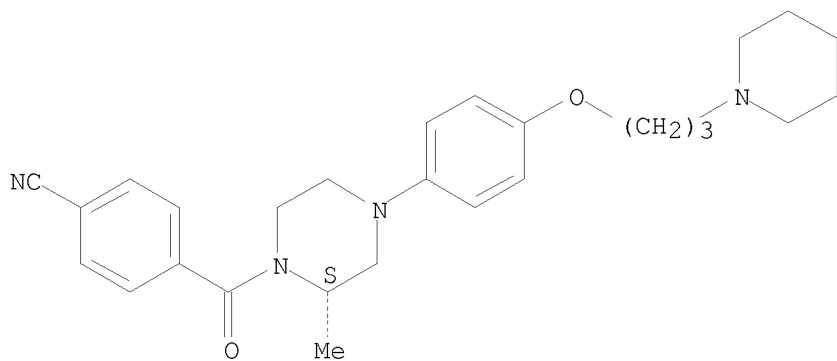
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RN 684246-97-7 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

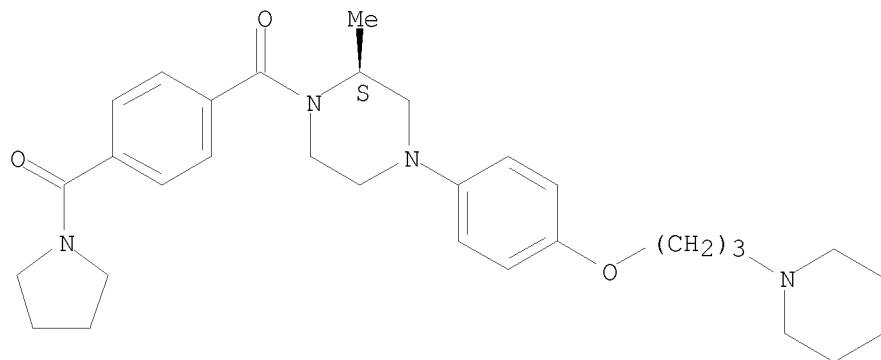
Absolute stereochemistry.



RN 684246-98-8 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

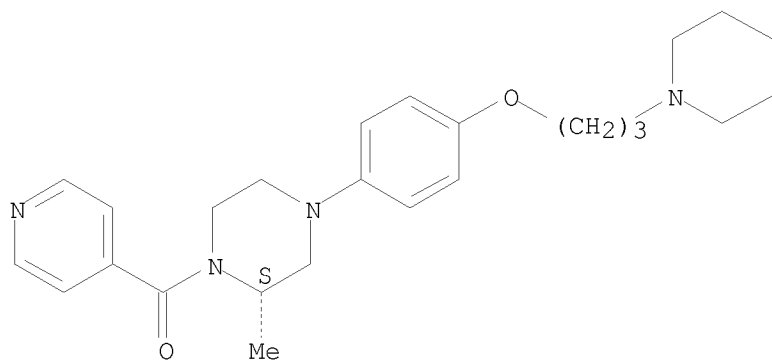


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RN 684246-99-9 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-(4-pyridinylcarbonyl)-, (2S)- (9CI) (CA INDEX NAME)

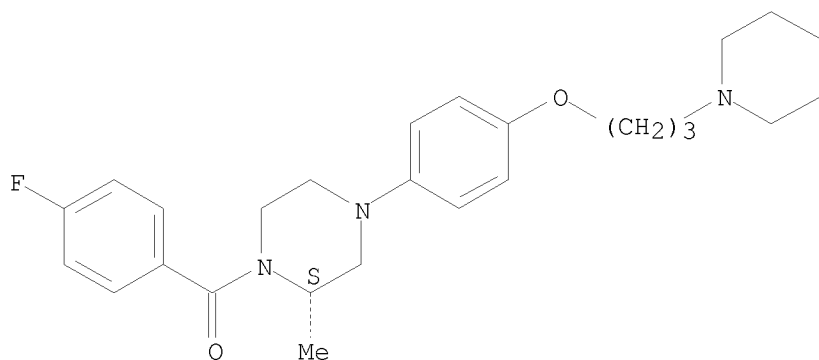
Absolute stereochemistry.



RN 684247-00-5 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

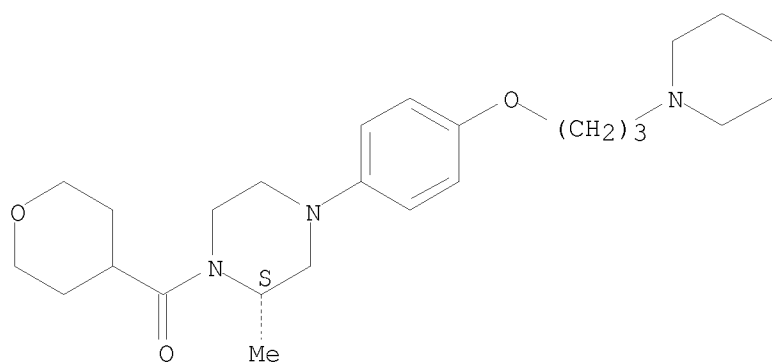


RN 684247-01-6 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-[(tetrahydro-2H-pyran-4-yl)carbonyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

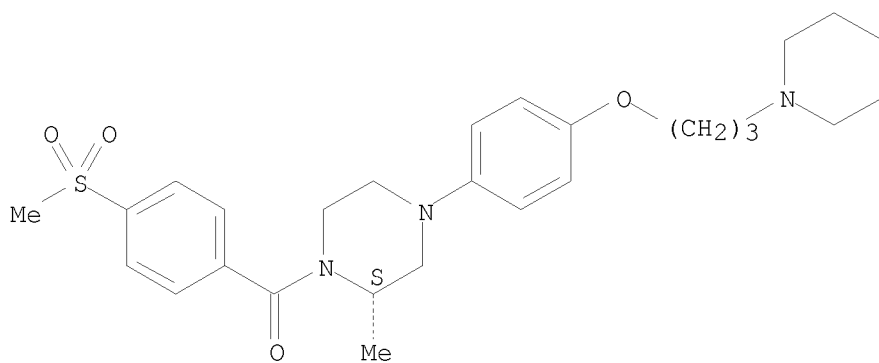
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RN 684247-02-7 CAPLUS

CN Piperazine, 2-methyl-1-[4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

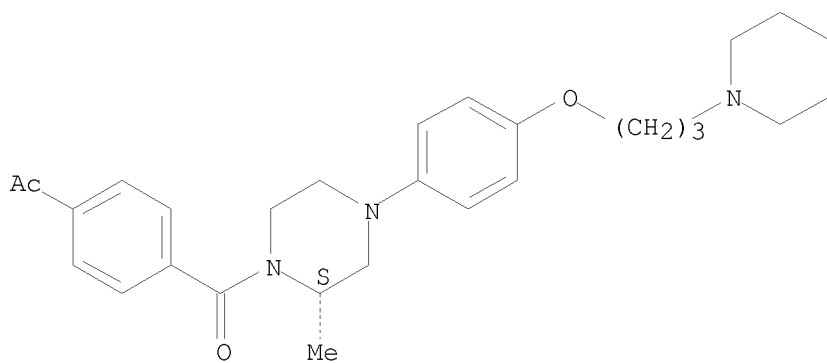
Absolute stereochemistry.



RN 684247-03-8 CAPLUS

CN Piperazine, 1-(4-acetylbenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

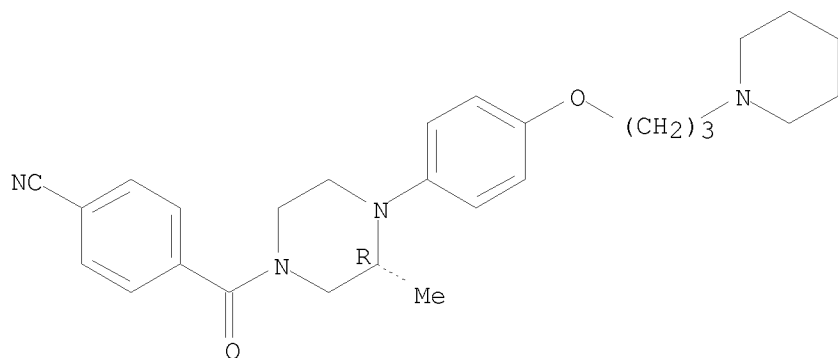


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RN 684247-04-9 CAPLUS

CN Piperazine, 4-(4-cyanobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

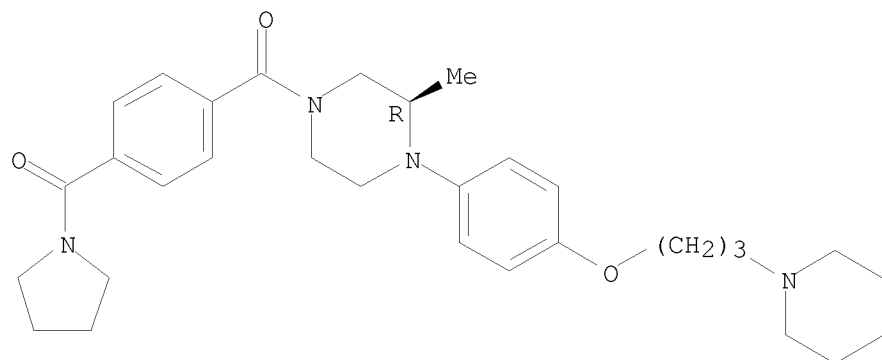
Absolute stereochemistry.



RN 684247-05-0 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

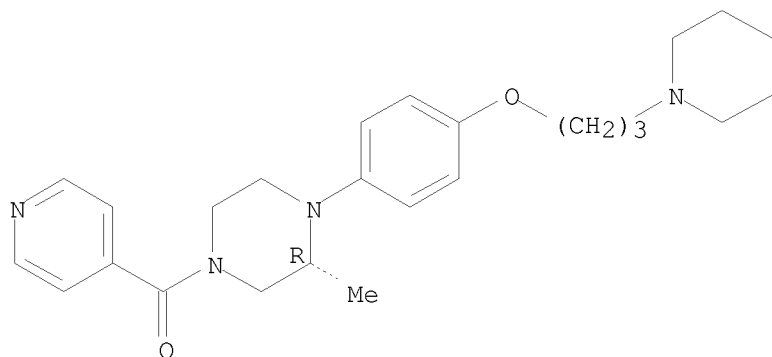


RN 684247-06-1 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-pyridinylcarbonyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

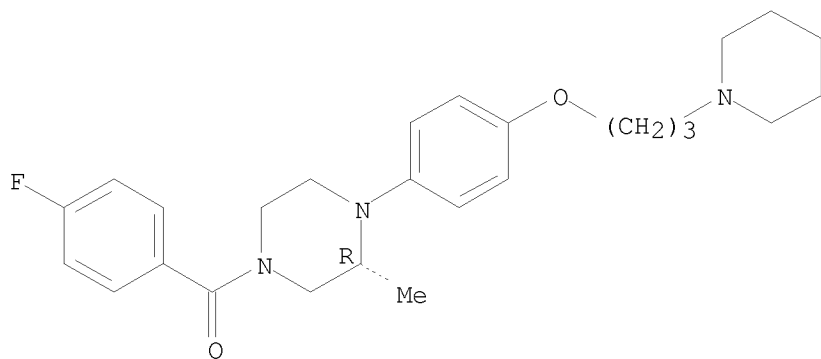
10/531,758



RN 684247-07-2 CAPLUS

CN Piperazine, 4-(4-fluorobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

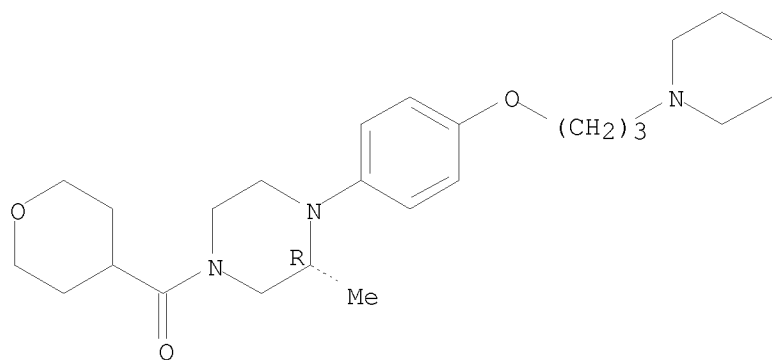
Absolute stereochemistry.



RN 684247-08-3 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]-, (2R)- (9CI) (CA INDEX NAME)

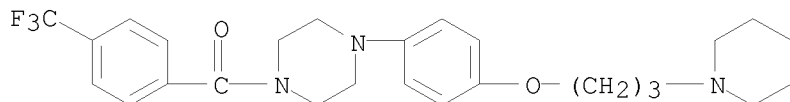
Absolute stereochemistry.



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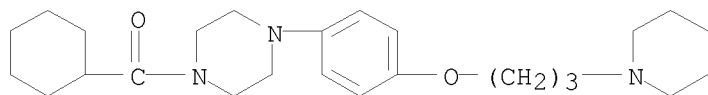
RN 684247-09-4 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



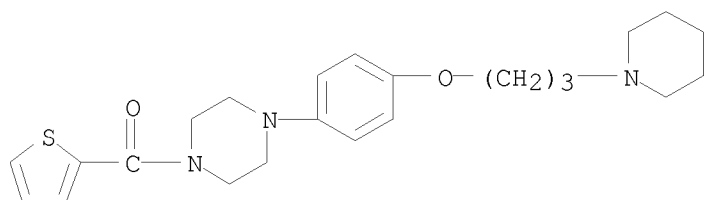
RN 684247-10-7 CAPLUS

CN Piperazine, 1-(cyclohexylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



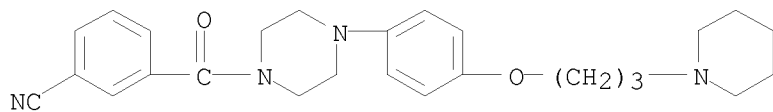
RN 684247-11-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2-thienylcarbonyl)- (9CI) (CA INDEX NAME)



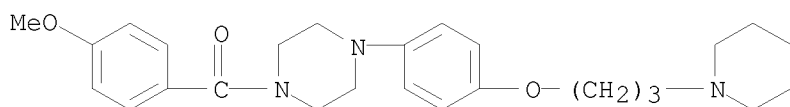
RN 684247-12-9 CAPLUS

CN Piperazine, 1-(3-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-13-0 CAPLUS

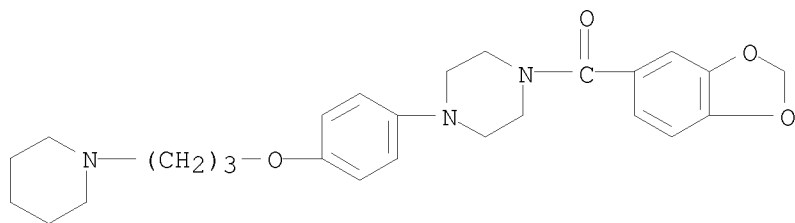
CN Piperazine, 1-(4-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



10/531,758

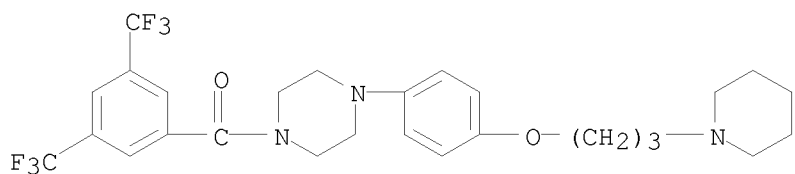
RN 684247-14-1 CAPLUS

CN Piperazine, 1-(1,3-benzodioxol-5-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



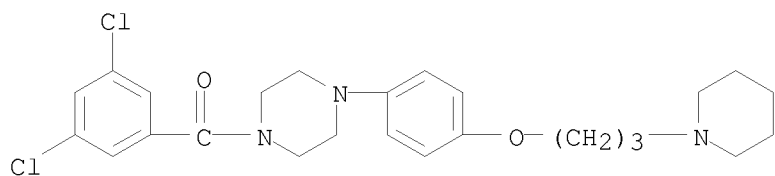
RN 684247-15-2 CAPLUS

CN Piperazine, 1-[3,5-bis(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



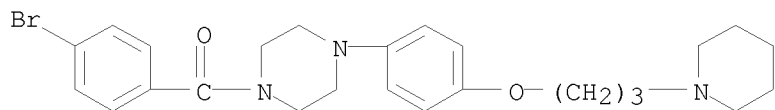
RN 684247-16-3 CAPLUS

CN Piperazine, 1-(3,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-17-4 CAPLUS

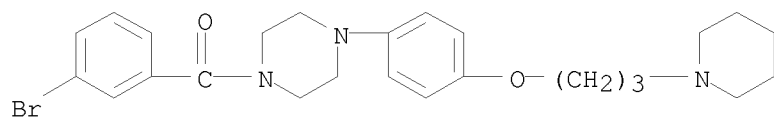
CN Piperazine, 1-(4-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-18-5 CAPLUS

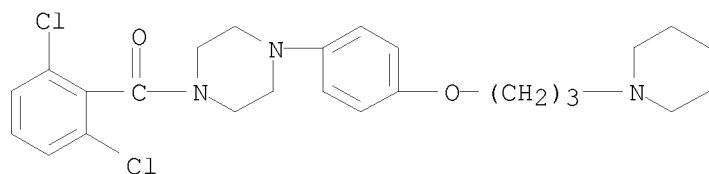
CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



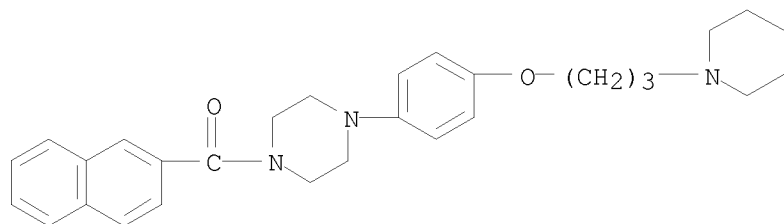
RN 684247-19-6 CAPLUS

CN Piperazine, 1-(2,6-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



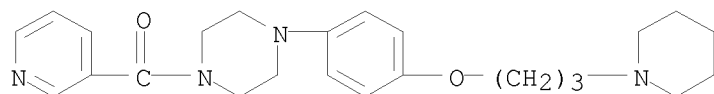
RN 684247-20-9 CAPLUS

CN Piperazine, 1-(2-naphthalenylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



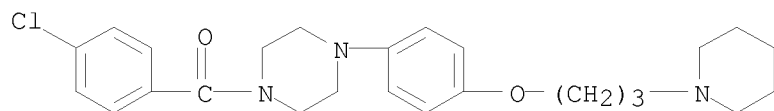
RN 684247-21-0 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(3-pyridinylcarbonyl)-  
(9CI) (CA INDEX NAME)



RN 684247-22-1 CAPLUS

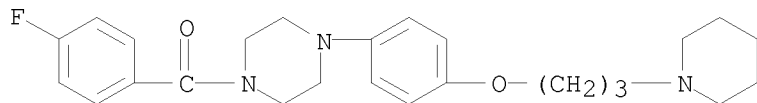
CN Piperazine, 1-(4-chlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



RN 684247-23-2 CAPLUS

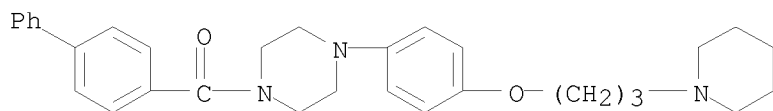
10/531,758

CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



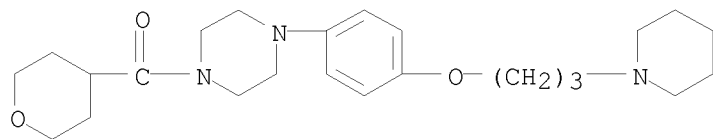
RN 684247-24-3 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-4-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



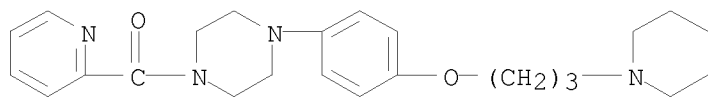
RN 684247-25-4 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



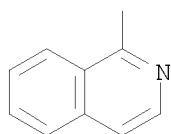
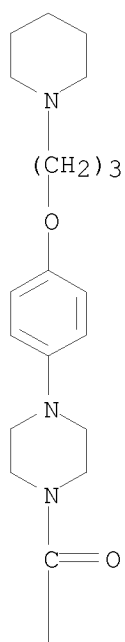
RN 684247-26-5 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2-pyridinylcarbonyl)-  
(9CI) (CA INDEX NAME)



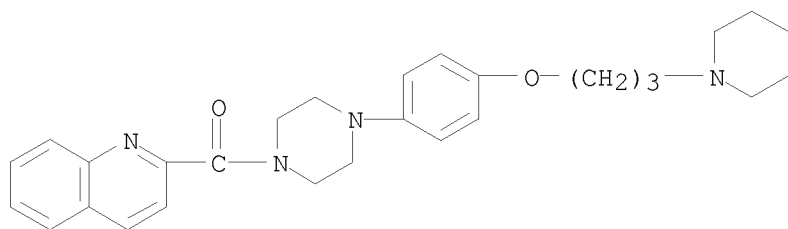
RN 684247-27-6 CAPLUS

CN Piperazine, 1-(1-isoquinolinylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-28-7 CAPLUS

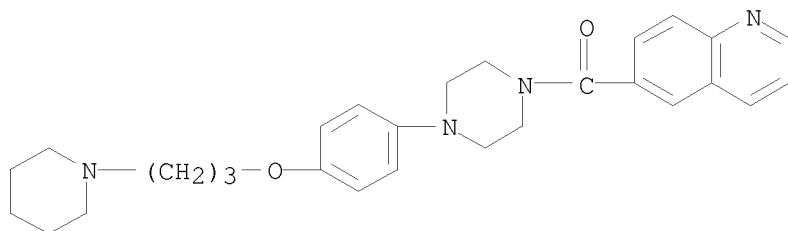
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)



RN 684247-29-8 CAPLUS

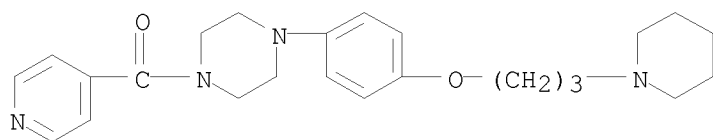
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(6-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)

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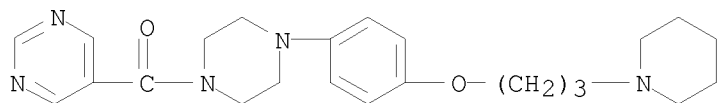
RN 684247-30-1 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-pyridinylcarbonyl)-  
(9CI) (CA INDEX NAME)



RN 684247-31-2 CAPLUS

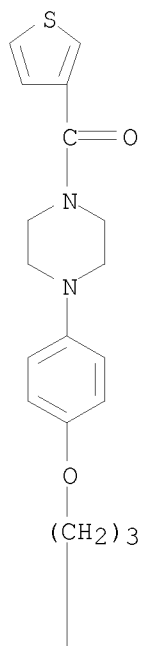
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(5-pyrimidinylcarbonyl)- (9CI) (CA INDEX NAME)



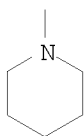
RN 684247-32-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(3-thienylcarbonyl)-  
(9CI) (CA INDEX NAME)

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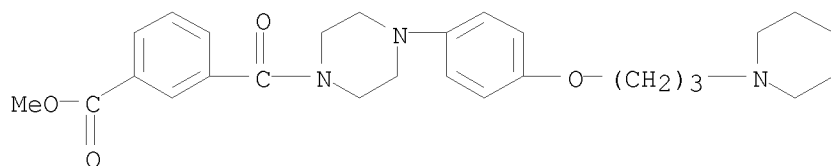


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RN 684247-34-5 CAPLUS

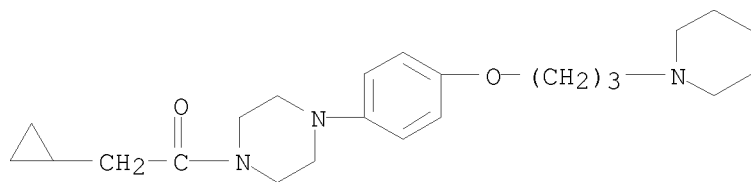
CN Benzoic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



RN 684247-35-6 CAPLUS

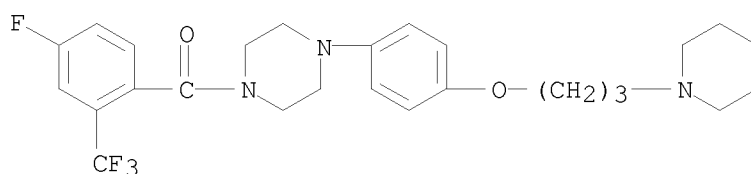
CN Piperazine, 1-(cyclopropylacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-(9CI) (CA INDEX NAME)

10/531,758



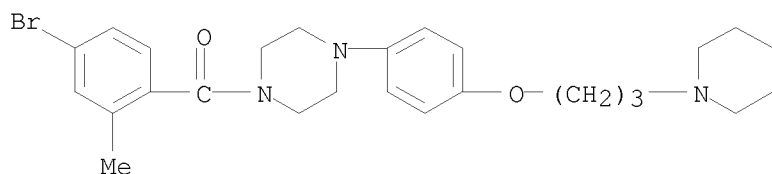
RN 684247-36-7 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



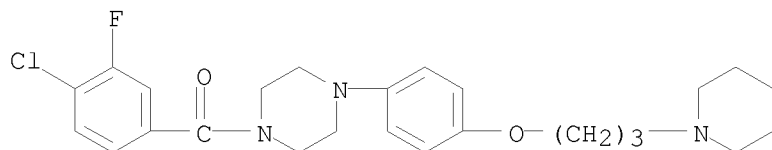
RN 684247-37-8 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-38-9 CAPLUS

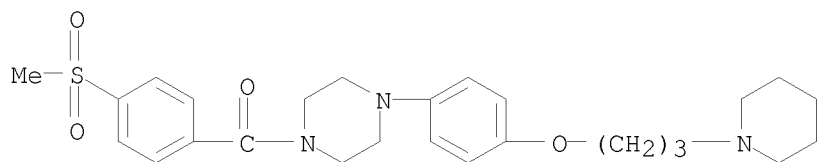
CN Piperazine, 1-(4-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-39-0 CAPLUS

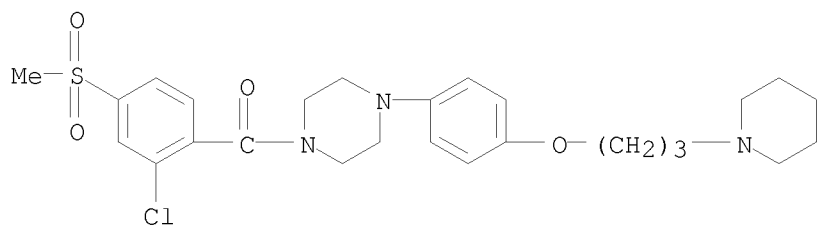
CN Piperazine, 1-[4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



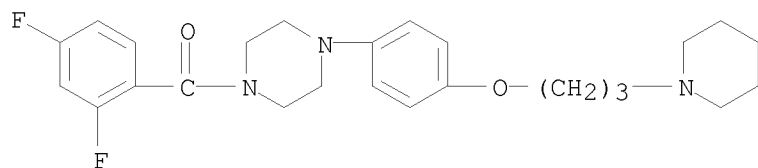
RN 684247-40-3 CAPLUS

CN Piperazine, 1-[2-chloro-4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



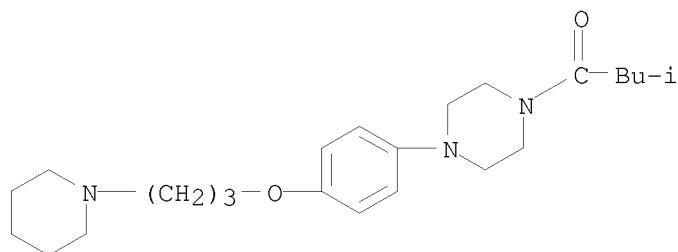
RN 684247-41-4 CAPLUS

CN Piperazine, 1-(2,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-42-5 CAPLUS

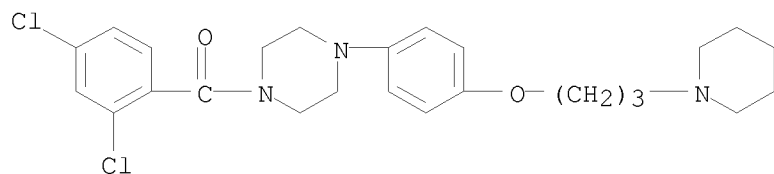
CN Piperazine, 1-(3-methyl-1-oxobutyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-43-6 CAPLUS

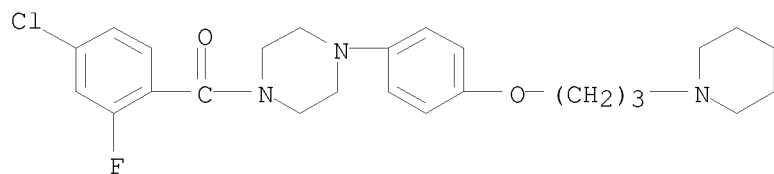
CN Piperazine, 1-(2,4-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



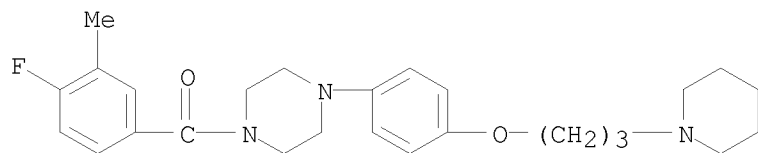
RN 684247-44-7 CAPLUS

CN Piperazine, 1-(4-chloro-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



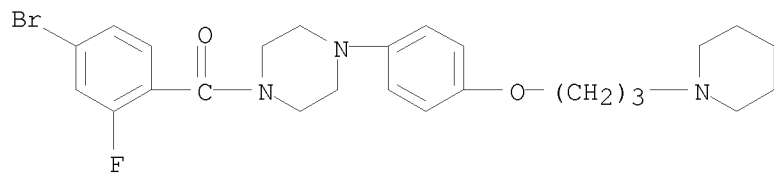
RN 684247-45-8 CAPLUS

CN Piperazine, 1-(4-fluoro-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-46-9 CAPLUS

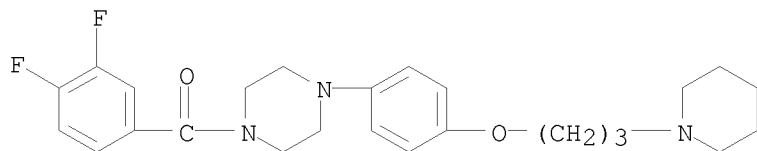
CN Piperazine, 1-(4-bromo-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-47-0 CAPLUS

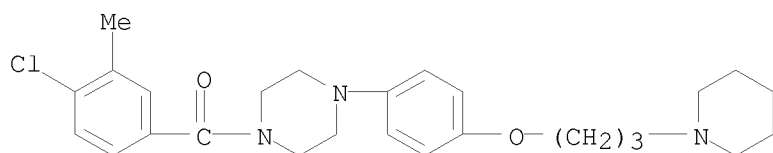
CN Piperazine, 1-(3,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



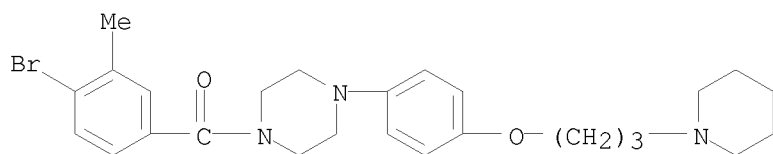
RN 684247-48-1 CAPLUS

CN Piperazine, 1-(4-chloro-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



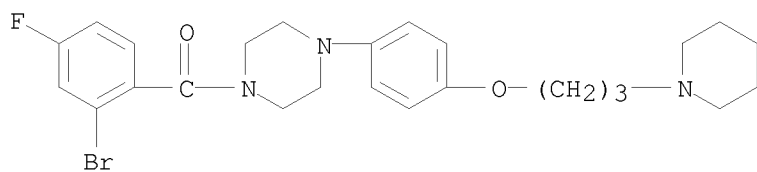
RN 684247-49-2 CAPLUS

CN Piperazine, 1-(4-bromo-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



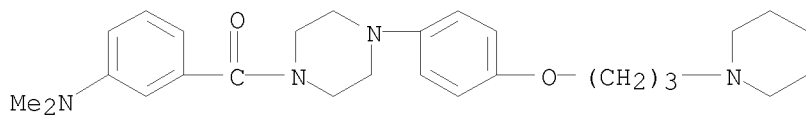
RN 684247-50-5 CAPLUS

CN Piperazine, 1-(2-bromo-4-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-51-6 CAPLUS

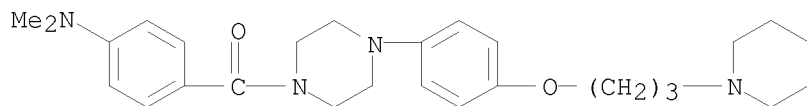
CN Piperazine, 1-[3-(dimethylamino)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-52-7 CAPLUS

10/531,758

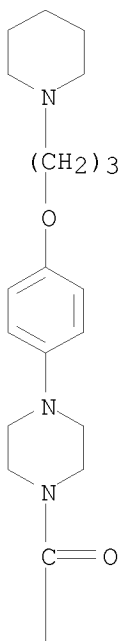
CN Piperazine, 1-[4-(dimethylamino)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



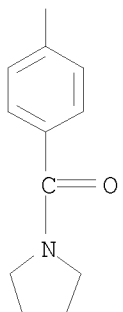
RN 684247-53-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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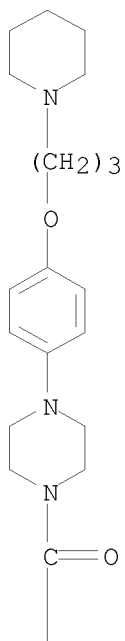


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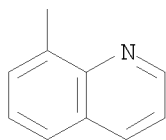
RN 684247-54-9 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(8-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)

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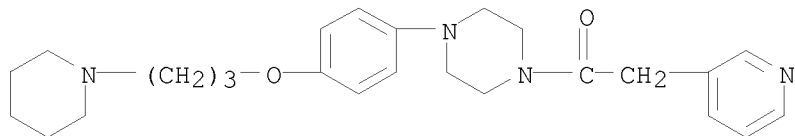


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RN 684247-55-0 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(3-pyridinylacetyl)- (9CI) (CA INDEX NAME)

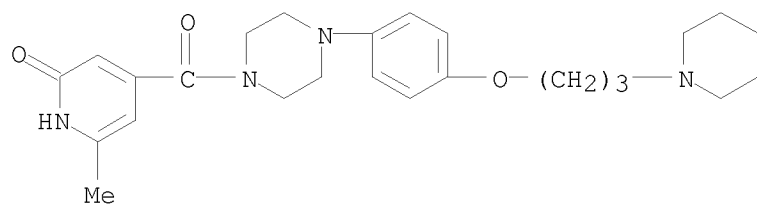


RN 684247-56-1 CAPLUS

CN Piperazine, 1-[(1,2-dihydro-6-methyl-2-oxo-4-pyridinyl)carbonyl]-4-[4-[3-

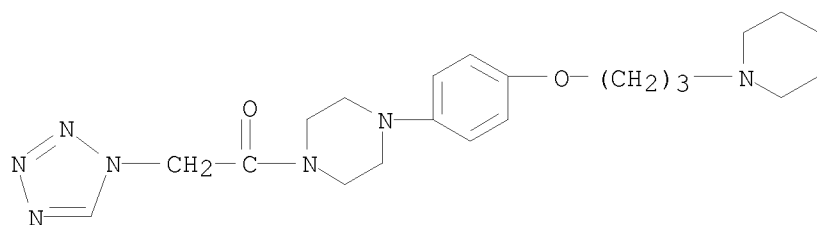
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(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-57-2 CAPLUS

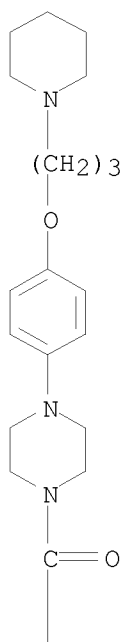
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1H-tetrazol-1-ylacetyl)- (9CI) (CA INDEX NAME)

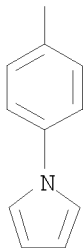


RN 684247-58-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-pyrrol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)

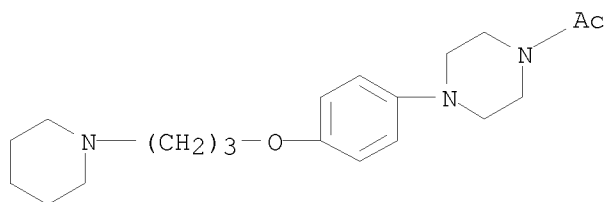
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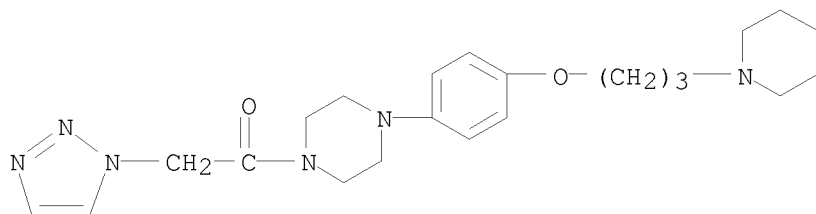
RN 684247-59-4 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



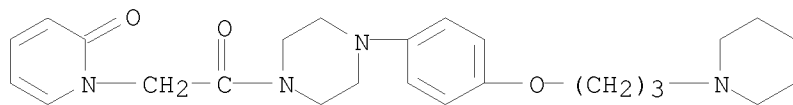
RN 684247-60-7 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1H-1,2,3-triazol-1-ylacetyl)- (9CI) (CA INDEX NAME)



RN 684247-61-8 CAPLUS

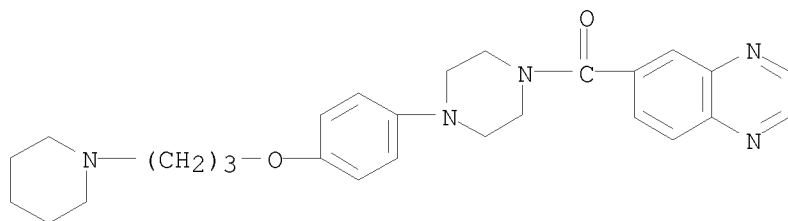
CN Piperazine, 1-[(2-oxo-1(2H)-pyridinyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-62-9 CAPLUS

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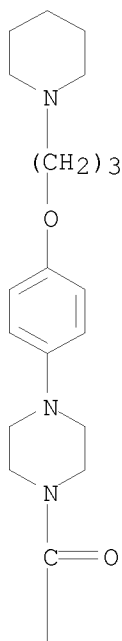
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(6-  
quinoxalinylylcarbonyl)- (9CI) (CA INDEX NAME)



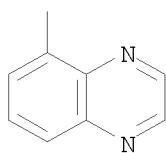
RN 684247-63-0 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(5-  
quinoxalinylylcarbonyl)- (9CI) (CA INDEX NAME)

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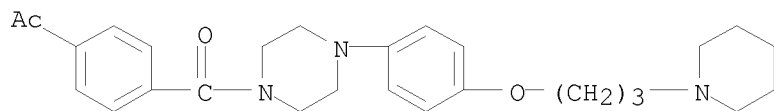
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RN 684247-64-1 CAPLUS

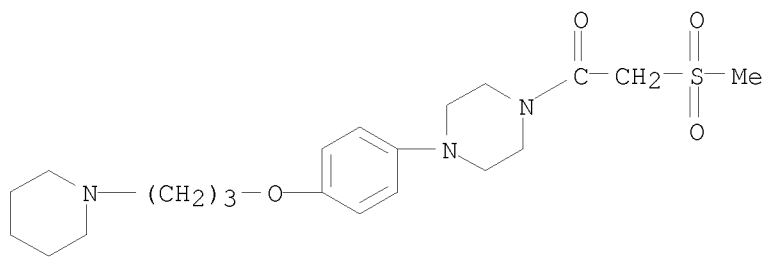
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CN Piperazine, 1-(4-acetylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



RN 684247-65-2 CAPLUS

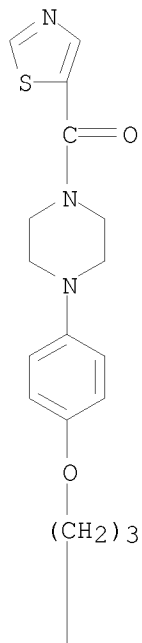
CN Piperazine, 1-[(methylsulfonyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



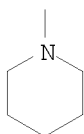
RN 684247-66-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(5-thiazolylcarbonyl)-  
(9CI) (CA INDEX NAME)

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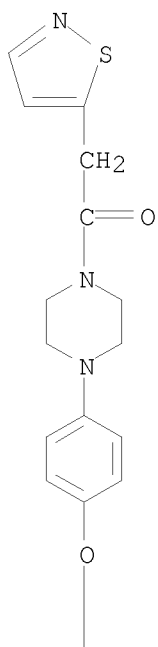


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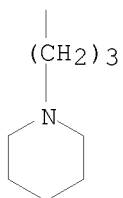


RN 684247-67-4 CAPLUS  
 CN Piperazine, 1-(5-isothiazolylacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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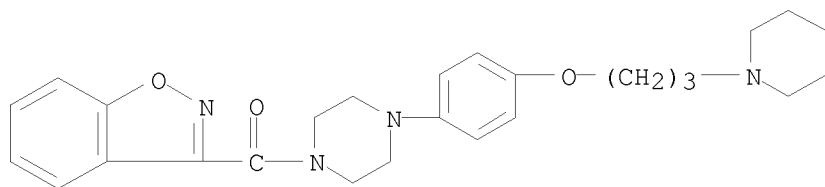
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RN 684247-68-5 CAPLUS  
 CN Piperazine, 1-(1,2-benzisoxazol-3-ylcarbonyl)-4-[4-[3-(1-

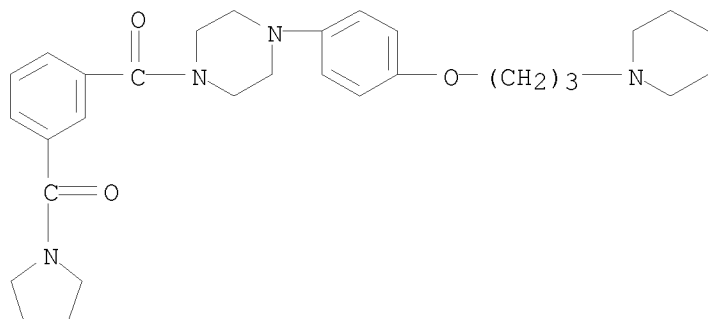
10/531,758

piperidiny]propoxy]phenyl]- (9CI) (CA INDEX NAME)



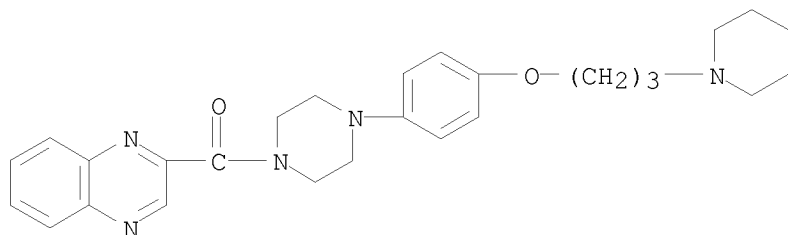
RN 684247-69-6 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidiny]propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684247-70-9 CAPLUS

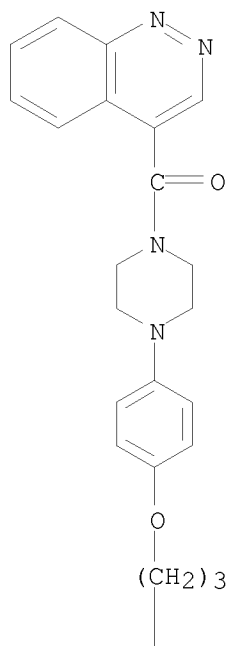
CN Piperazine, 1-[4-[3-(1-piperidiny]propoxy]phenyl]-4-(2-quinoxaliny]carbonyl)- (9CI) (CA INDEX NAME)



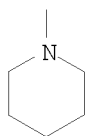
RN 684247-71-0 CAPLUS

CN Piperazine, 1-(4-cinnolinylcarbonyl)-4-[4-[3-(1-piperidiny]propoxy]phenyl]- (9CI) (CA INDEX NAME)

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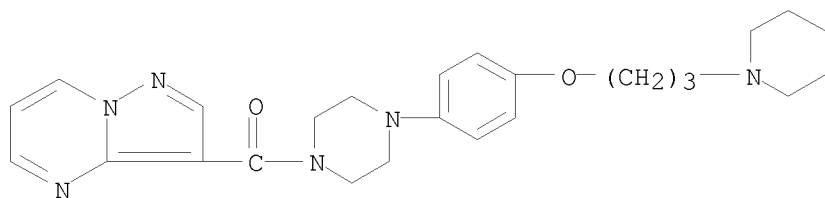


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RN 684247-72-1 CAPLUS

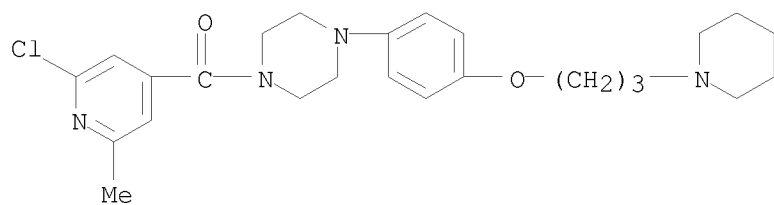
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(pyrazolo[1,5-a]pyrimidin-3-ylcarbonyl)- (9CI) (CA INDEX NAME)



RN 684247-73-2 CAPLUS

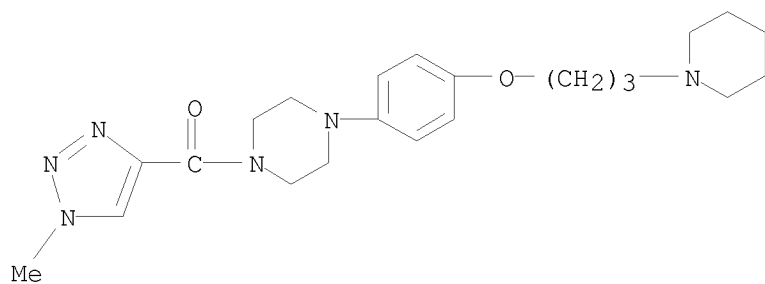
CN Piperazine, 1-[(2-chloro-6-methyl-4-pyridinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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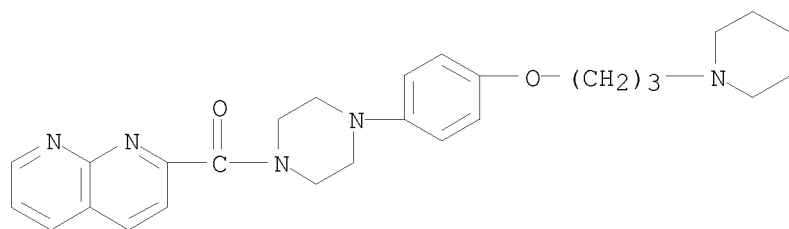
RN 684247-74-3 CAPLUS

CN Piperazine, 1-[(1-methyl-1H-1,2,3-triazol-4-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



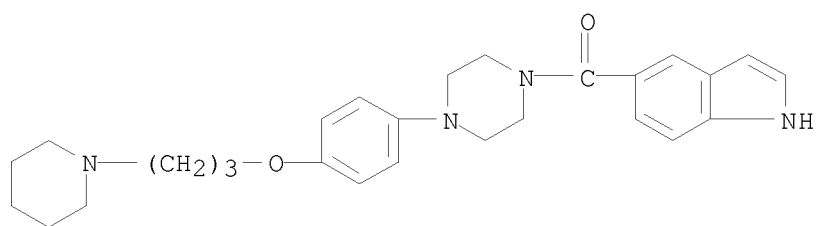
RN 684247-75-4 CAPLUS

CN Piperazine, 1-(1,8-naphthyridin-2-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-76-5 CAPLUS

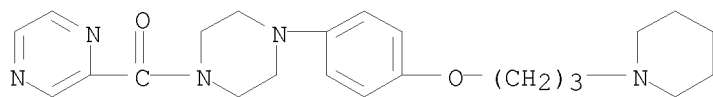
CN Piperazine, 1-(1H-indol-5-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-77-6 CAPLUS

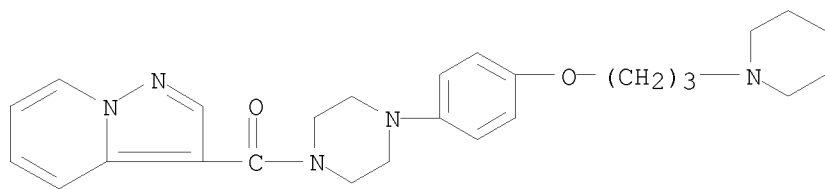
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CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(pyrazinylcarbonyl)-  
(9CI) (CA INDEX NAME)



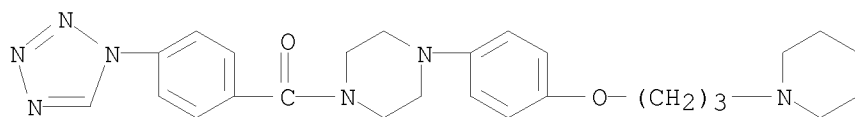
RN 684247-78-7 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(pyrazolo[1,5-a]pyridin-3-ylcarbonyl)- (9CI) (CA INDEX NAME)



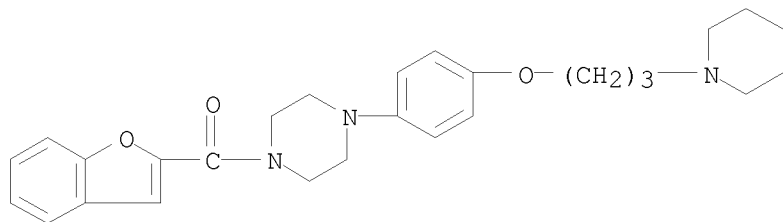
RN 684247-79-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-tetrazol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684247-80-1 CAPLUS

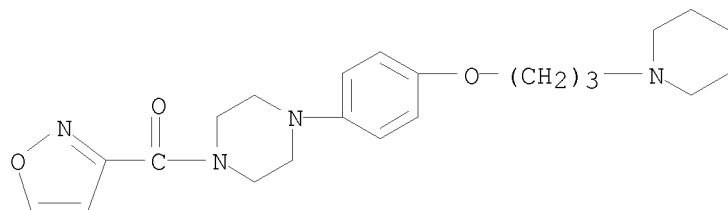
CN Piperazine, 1-(2-benzofuranylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-81-2 CAPLUS

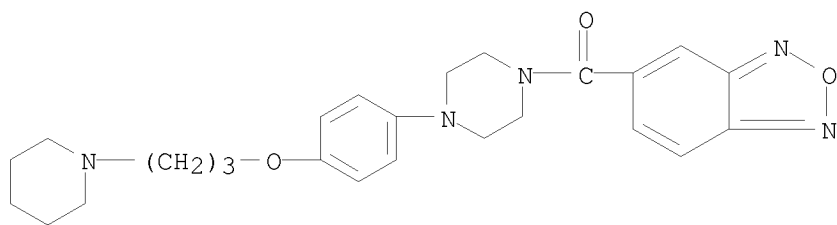
CN Piperazine, 1-(3-isoxazolylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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RN 684247-82-3 CAPLUS

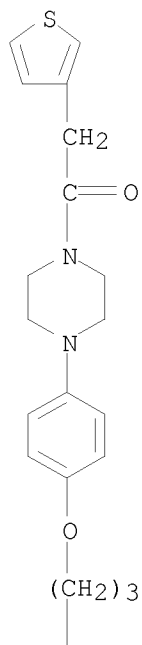
CN Piperazine, 1-(2,1,3-benzoxadiazol-5-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

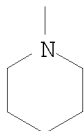


RN 684247-83-4 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(3-thienylacetyl)- (9CI) (CA INDEX NAME)

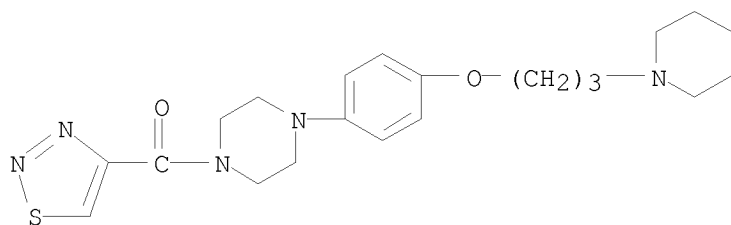
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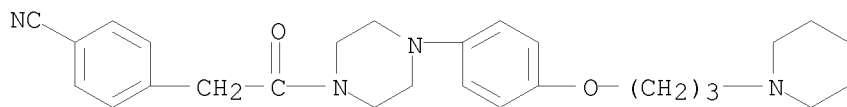
RN 684247-84-5 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1,2,3-thiadiazol-4-ylcarbonyl)- (9CI) (CA INDEX NAME)



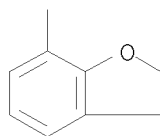
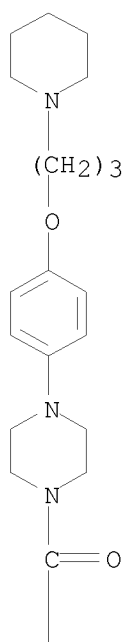
RN 684247-85-6 CAPLUS

CN Piperazine, 1-[(4-cyanophenyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



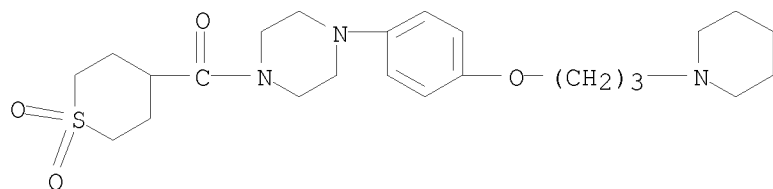
RN 684247-86-7 CAPLUS

CN Piperazine, 1-[(2,3-dihydro-7-benzofuranyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-87-8 CAPLUS

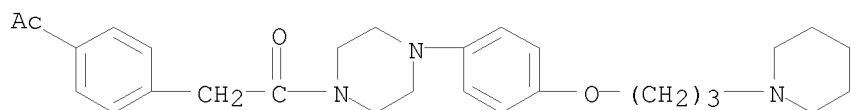
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684247-88-9 CAPLUS

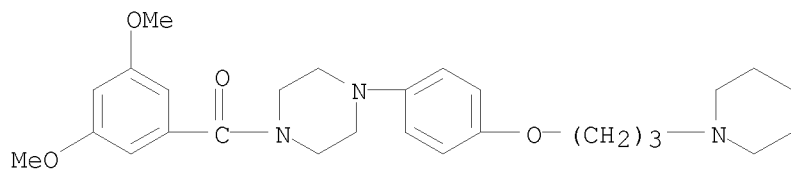
CN Piperazine, 1-[(4-acetylphenyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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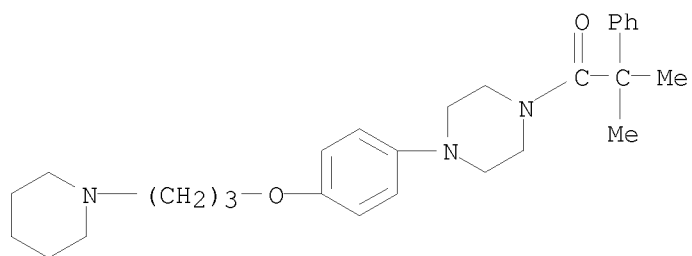
RN 684247-89-0 CAPLUS

CN Piperazine, 1-(3,5-dimethoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



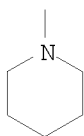
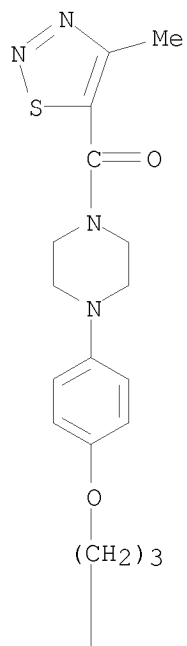
RN 684247-90-3 CAPLUS

CN Piperazine, 1-(2-methyl-1-oxo-2-phenylpropyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



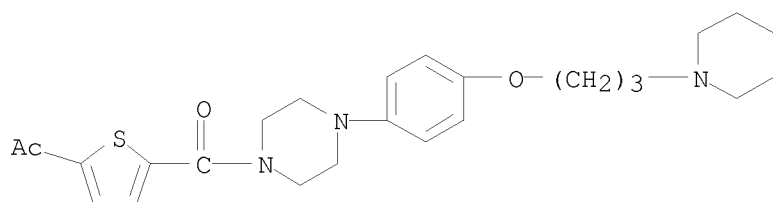
RN 684247-91-4 CAPLUS

CN Piperazine, 1-[(4-methyl-1,2,3-thiadiazol-5-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-93-6 CAPLUS

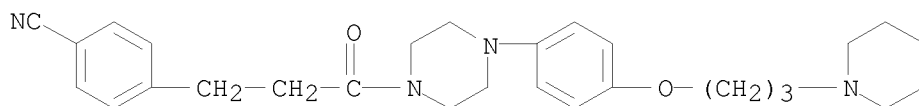
CN Piperazine, 1-[(5-acetyl-2-thienyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-94-7 CAPLUS

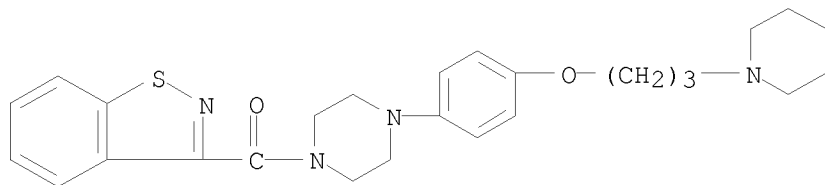
CN Piperazine, 1-[3-(4-cyanophenyl)-1-oxopropyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



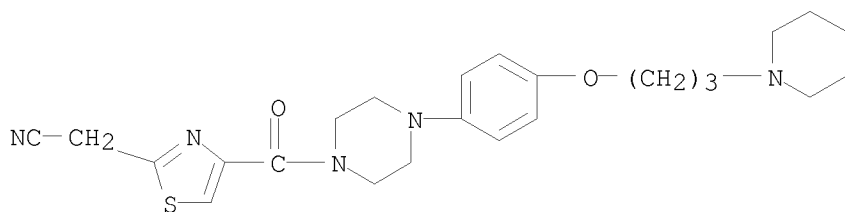
RN 684247-95-8 CAPLUS

CN Piperazine, 1-((4-cyanophenyl)acetyl)-4-(4-(3-(1-piperidinyl)propoxy)phenyl)- (9CI) (CA INDEX NAME)



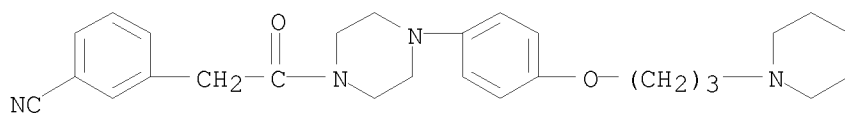
RN 684247-96-9 CAPLUS

CN Piperazine, 1-[[2-(cyanomethyl)-4-thiazolyl]carbonyl]-4-(4-(3-(1-piperidinyl)propoxy)phenyl)- (9CI) (CA INDEX NAME)



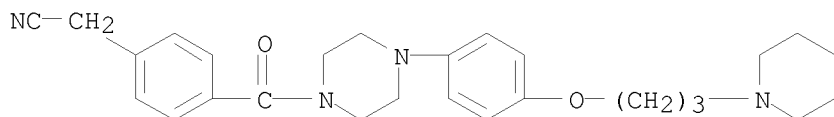
RN 684247-97-0 CAPLUS

CN Piperazine, 1-[(3-cyanophenyl)acetyl]-4-(4-(3-(1-piperidinyl)propoxy)phenyl)- (9CI) (CA INDEX NAME)



RN 684247-98-1 CAPLUS

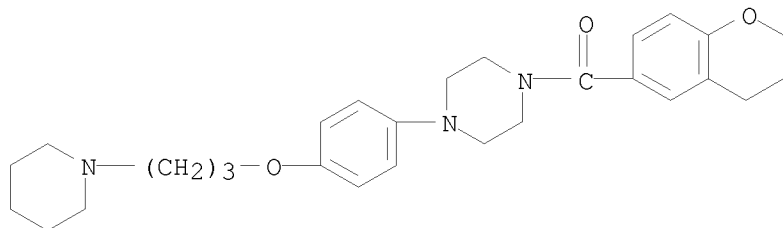
CN Piperazine, 1-[4-(cyanomethyl)benzoyl]-4-(4-(3-(1-piperidinyl)propoxy)phenyl)- (9CI) (CA INDEX NAME)



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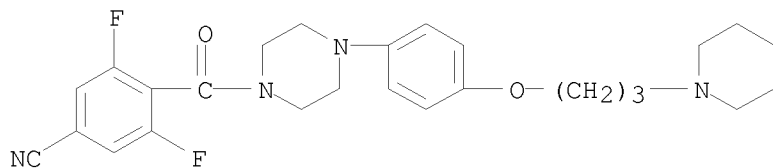
RN 684247-99-2 CAPLUS

CN Piperazine, 1-[(3,4-dihydro-2H-1-benzopyran-6-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



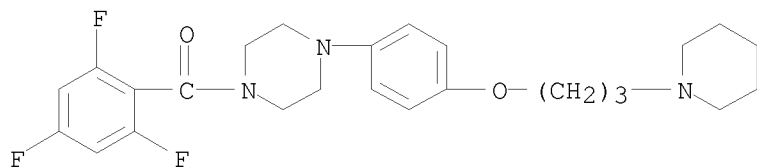
RN 684248-00-8 CAPLUS

CN Piperazine, 1-(4-cyano-2,6-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



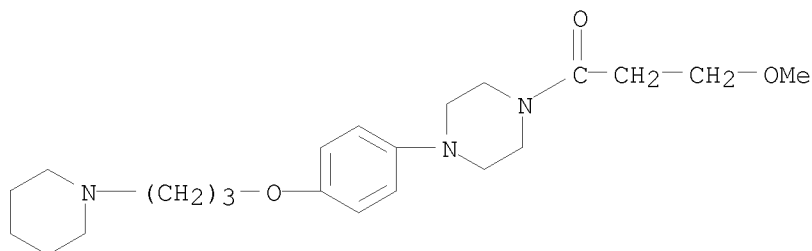
RN 684248-01-9 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2,4,6-trifluorobenzoyl)- (9CI) (CA INDEX NAME)



RN 684248-02-0 CAPLUS

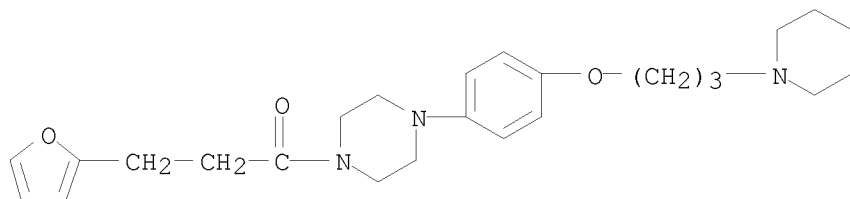
CN Piperazine, 1-(3-methoxy-1-oxopropyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



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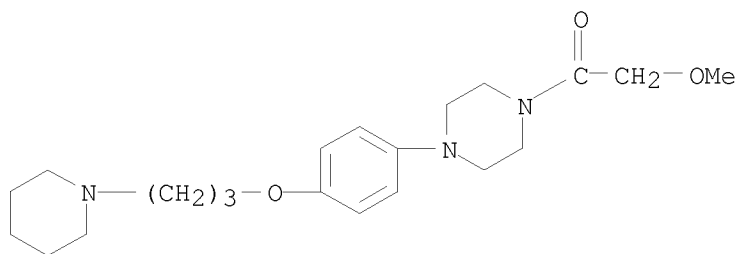
RN 684248-03-1 CAPLUS

CN Piperazine, 1-[3-(2-furanyl)-1-oxopropyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



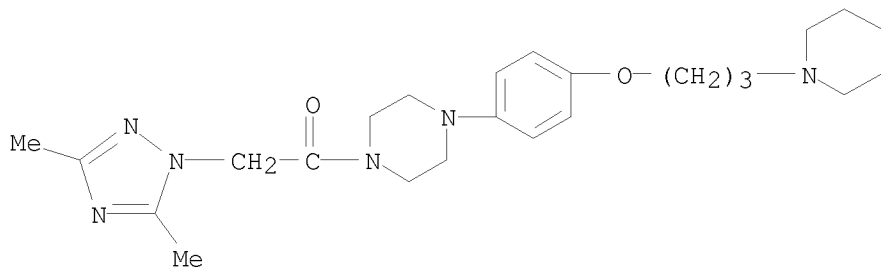
RN 684248-04-2 CAPLUS

CN Piperazine, 1-(methoxyacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-05-3 CAPLUS

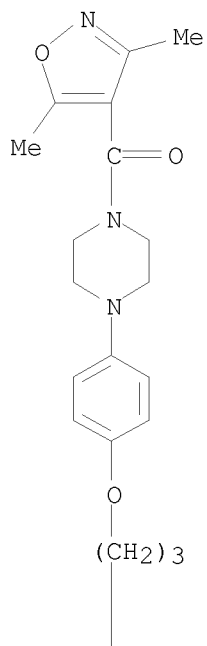
CN Piperazine, 1-[(3,5-dimethyl-1H-1,2,4-triazol-1-yl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



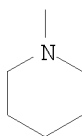
RN 684248-06-4 CAPLUS

CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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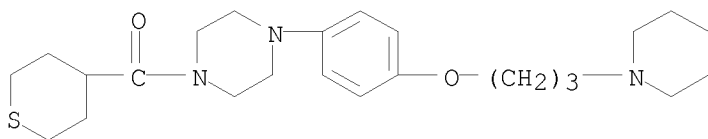


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RN 684248-07-5 CAPLUS

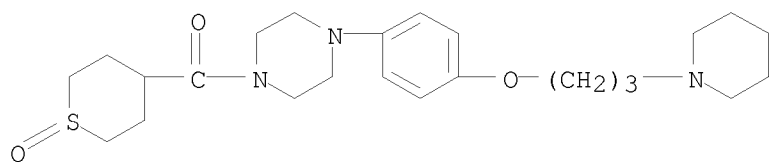
CN Piperazine, 1-[4-[3-(1-piperidinyloxy)propoxy]phenyl]-4-[(tetrahydro-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684248-08-6 CAPLUS

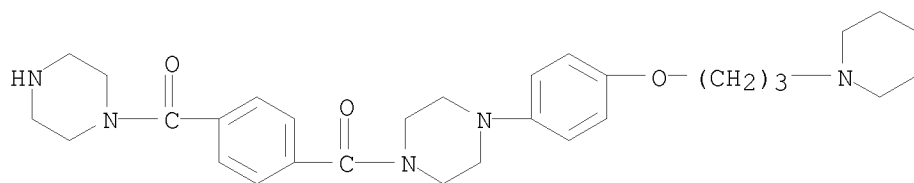
CN Piperazine, 1-[4-[3-(1-piperidinyloxy)propoxy]phenyl]-4-[(tetrahydro-1-oxido-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)

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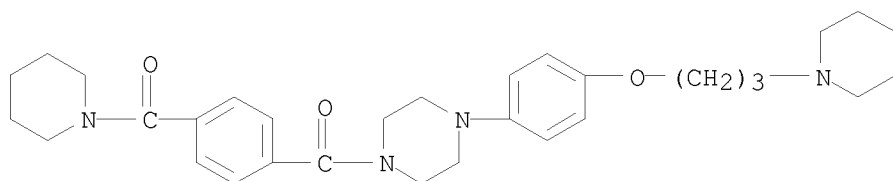
RN 684248-10-0 CAPLUS

CN Piperazine, 1-[4-(1-piperazinylcarbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



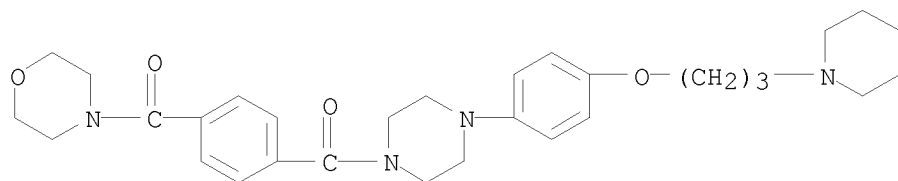
RN 684248-11-1 CAPLUS

CN Piperazine, 1-[4-(1-piperidinylcarbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-12-2 CAPLUS

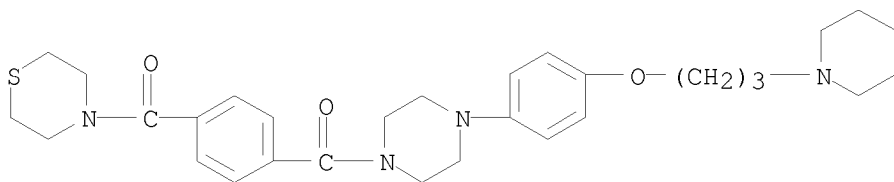
CN Morpholine, 4-[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)



RN 684248-13-3 CAPLUS

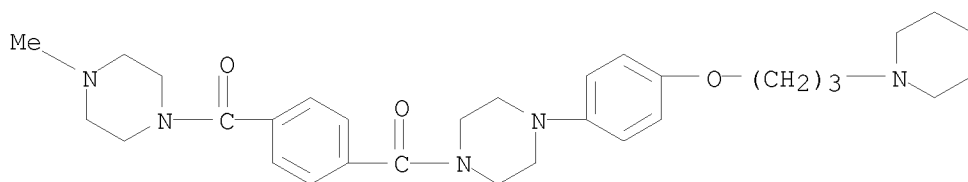
CN Thiomorpholine, 4-[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)

10/531,758



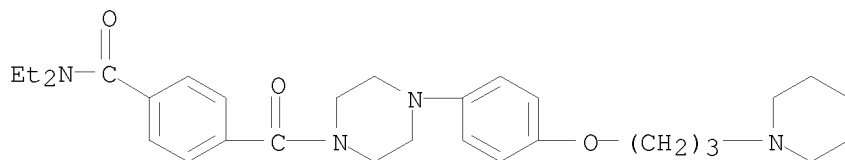
RN 684248-14-4 CAPLUS

CN Piperazine, 1-[4-[(4-methyl-1-piperazinyl)carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



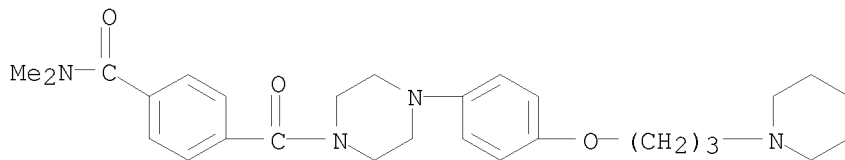
RN 684248-15-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-16-6 CAPLUS

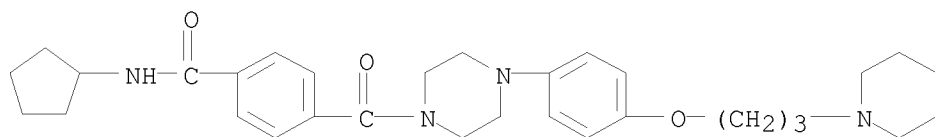
CN Benzamide, N,N-dimethyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-17-7 CAPLUS

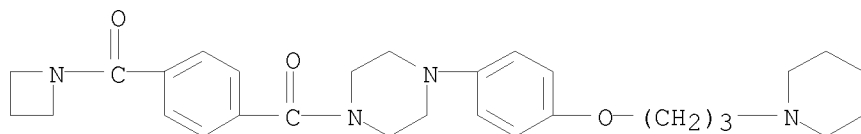
CN Benzamide, N-cyclopentyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)

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RN 684248-18-8 CAPLUS

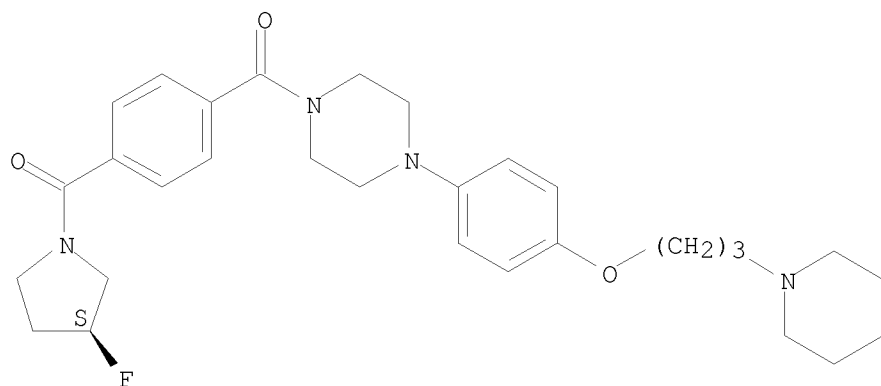
CN Piperazine, 1-[4-(1-azetidiny carbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-19-9 CAPLUS

CN Piperazine, 1-[4-[[3-(1-piperidinyl)propoxy]phenyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

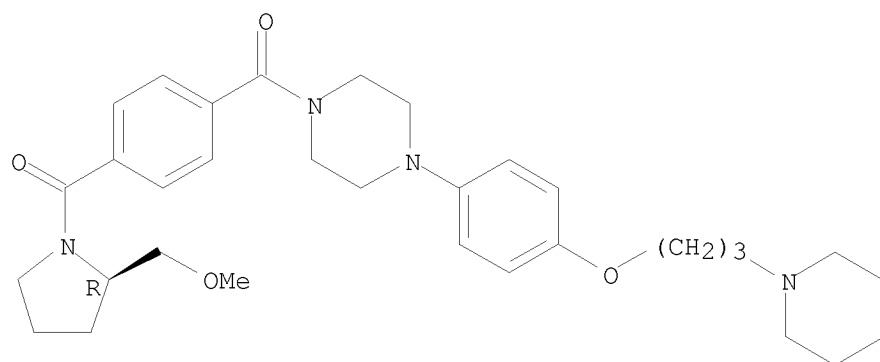


RN 684248-20-2 CAPLUS

CN Piperazine, 1-[4-[[3-(1-piperidinyl)propoxy]phenyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

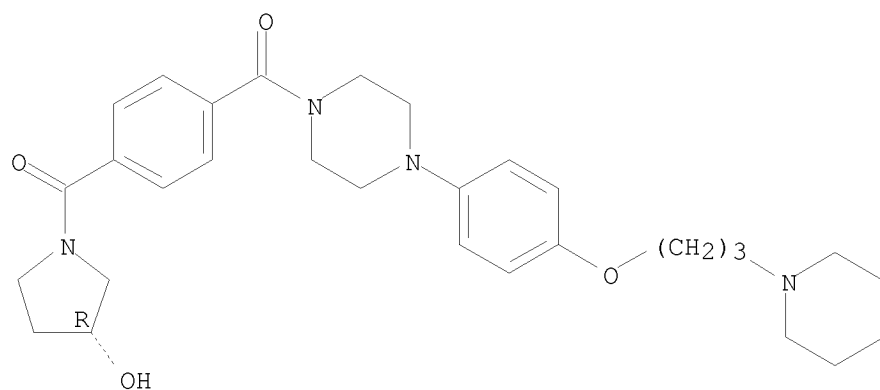
10/531,758



RN 684248-21-3 CAPLUS

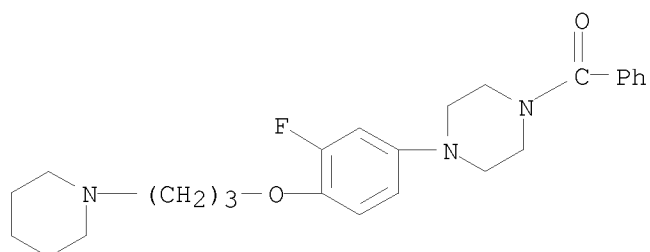
CN Piperazine, 1-[4-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684248-22-4 CAPLUS

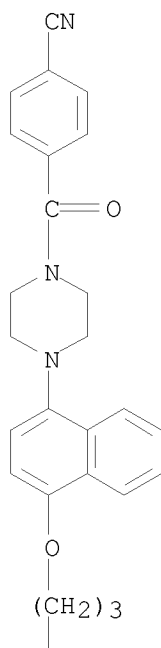
CN Piperazine, 1-benzoyl-4-[3-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



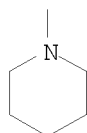
RN 684248-24-6 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]-1-naphthalenyl]- (9CI) (CA INDEX NAME)

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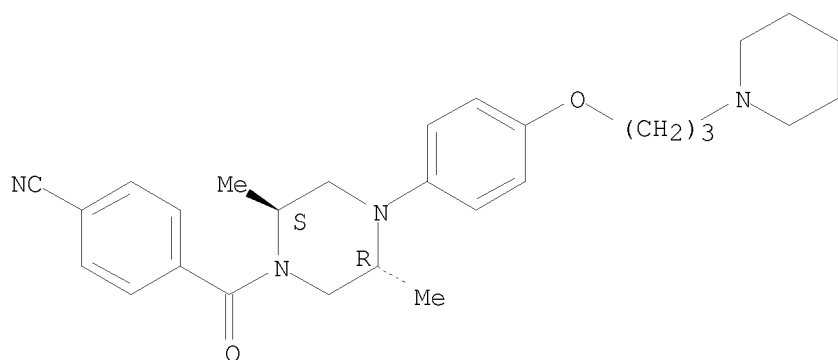


RN 684248-30-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

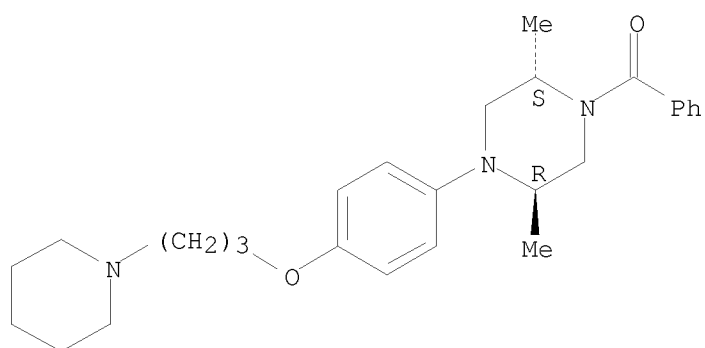
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RN 684248-31-5 CAPLUS

CN Piperazine, 1-benzoyl-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

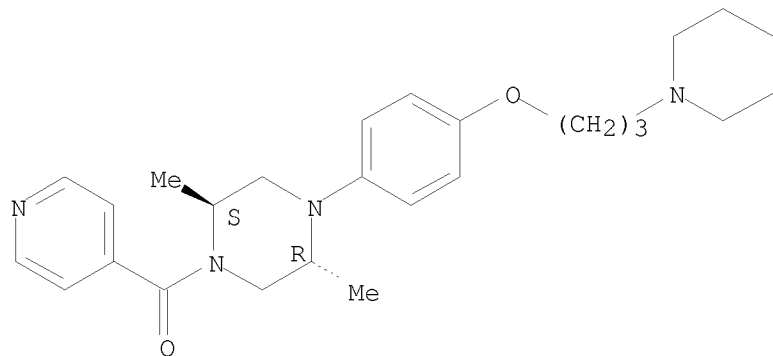
Relative stereochemistry.



RN 684248-32-6 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-pyridinylcarbonyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

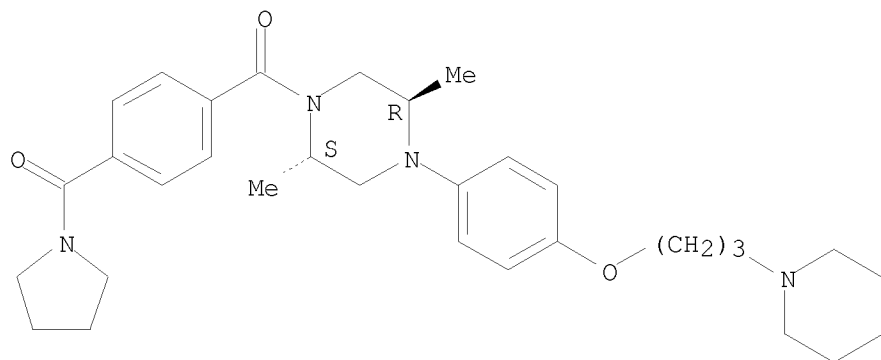


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RN 684248-33-7 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

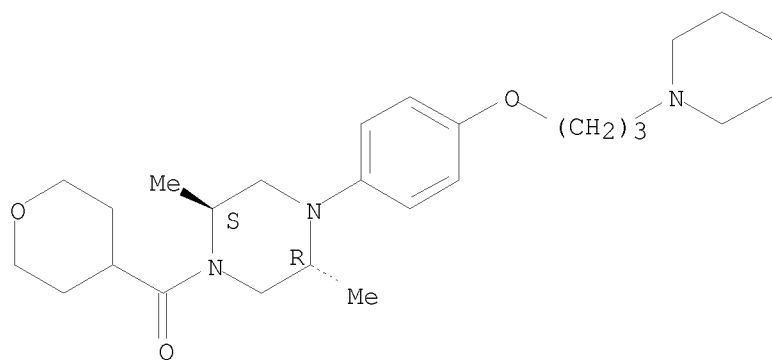
Relative stereochemistry.



RN 684248-34-8 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 684248-35-9 CAPLUS

CN Morpholine, 4-[[ (2S,5R)-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

CN Piperazine, 1-[2-chloro-4-[3-(1-piperidinyloxy)propoxy]phenyl]-4-(4-cyanobenzoyl)- (9CI) (CA INDEX NAME)



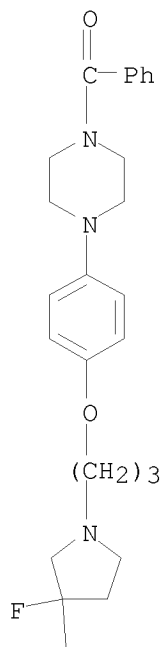
CN Piperazine, 1-benzoyl-4-[4-[3-(1-pyrrolidinyloxy)propoxy]phenyl]- (9CI) (CA  
INDEX NAME)

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RN 684248-39-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(3,3-difluoro-1-pyrrolidinyl)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)

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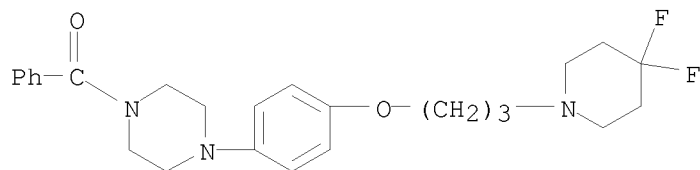


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RN 684248-40-6 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(4,4-difluoro-1-piperidiny)propoxy]phenyl]-  
(9CI) (CA INDEX NAME)



RN 684248-42-8 CAPLUS

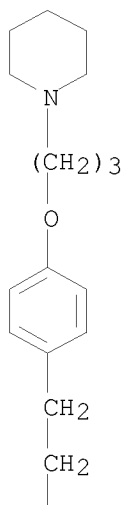
CN Formic acid, compd. with 1-(1-naphthalenylcarbonyl)-4-[2-[4-[3-(1-piperidiny)propoxy]phenyl]ethyl]piperazine (1:1) (9CI) (CA INDEX NAME)

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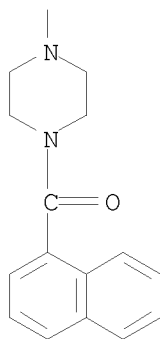
CM 1

CRN 684248-41-7  
CMF C31 H39 N3 O2

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CM 2

CRN 64-18-6  
CMF C H2 O2

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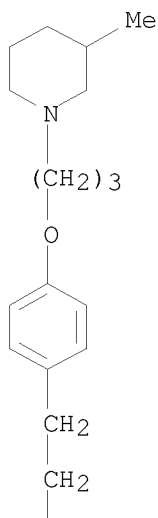
O=CH-OH

RN 684248-44-0 CAPLUS  
CN Formic acid, compd. with 1-[2-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

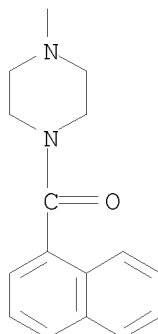
CM 1

CRN 684248-43-9  
CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 684248-46-2 CAPLUS

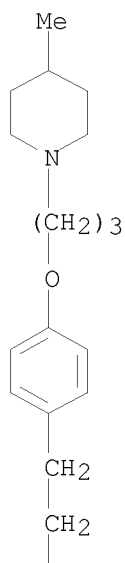
CN Formic acid, compd. with 1-[2-[4-[3-(4-methyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

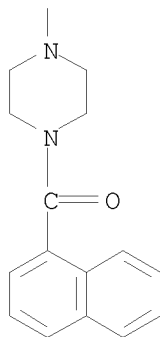
CM 1

CRN 684248-45-1

CMF C32 H41 N3 O2

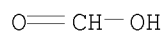
PAGE 1-A





CM 2

CRN 64-18-6  
CMF C H2 O2

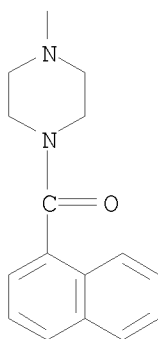
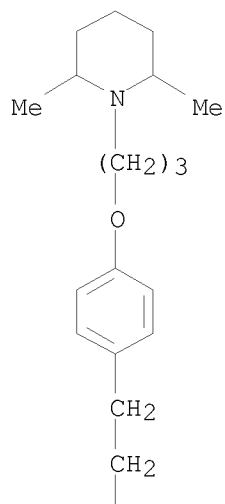


RN 684248-48-4 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[3-(2,6-dimethyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

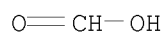
CM 1

CRN 684248-47-3  
CMF C33 H43 N3 O2



CM 2

CRN 64-18-6  
CMF C H2 O2



RN 684248-50-8 CAPLUS  
CN Formic acid, compd. with 1-[2-[4-[3-(hexahydro-1H-azepin-1-

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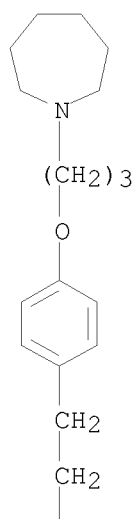
yl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI)  
(CA INDEX NAME)

CM 1

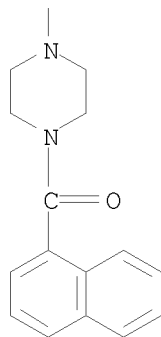
CRN 684248-49-5

CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

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CMF C H2 O2

O=CH-OH

RN 684248-52-0 CAPLUS

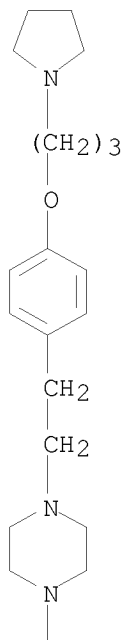
CN Formic acid, compd. with 1-(1-naphthalenylcarbonyl)-4-[2-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]ethyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

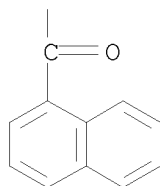
CRN 684248-51-9

CMF C30 H37 N3 O2

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CM 2

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CRN 64-18-6  
CMF C H2 O2

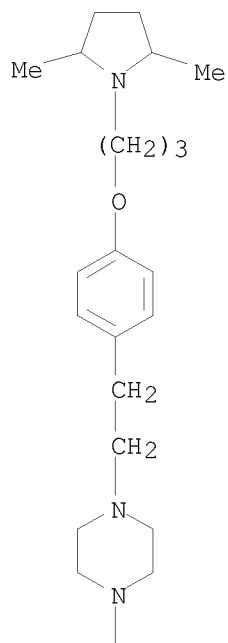
O=CH-OH

RN 684248-54-2 CAPLUS  
CN Formic acid, compd. with 1-[2-[4-[3-(2,5-dimethyl-1-pyrrolidinyloxy)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

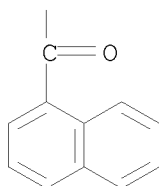
CM 1

CRN 684248-53-1  
CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 684248-56-4 CAPLUS

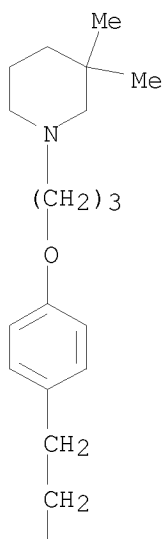
CN Formic acid, compd. with 1-[2-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

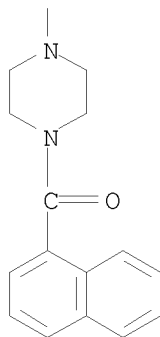
CM 1

CRN 684248-55-3

CMF C33 H43 N3 O2

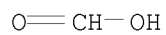
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CM 2

CRN 64-18-6  
CMF C H2 O2

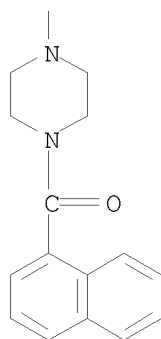
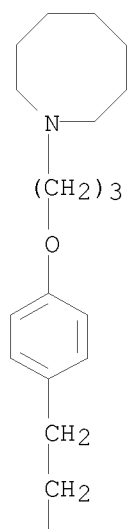


RN 684248-58-6 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[3-(hexahydro-1(2H)-  
azocinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1)  
(9CI) (CA INDEX NAME)

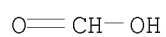
CM 1

CRN 684248-57-5  
CMF C33 H43 N3 O2



CM 2

CRN 64-18-6  
CMF C H2 O2



RN 684248-60-0 CAPLUS  
CN Formic acid, compd. with 1-[2-[4-[3-(5-ethyl-2-methyl-1-

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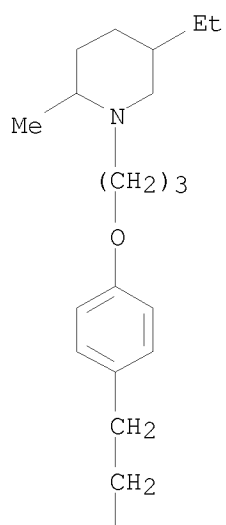
piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine  
(1:1) (9CI) (CA INDEX NAME)

CM 1

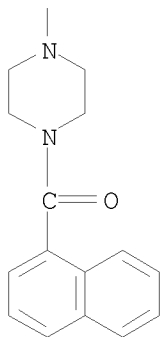
CRN 684248-59-7

CMF C34 H45 N3 O2

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CM 2

CRN 64-18-6

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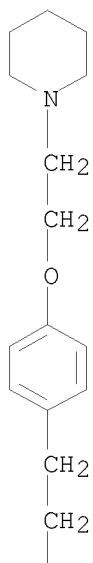
CMF C H2 O2

O=CH-OH

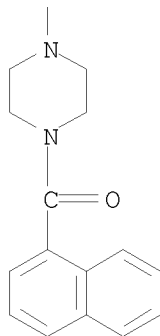
RN 684248-61-1 CAPLUS

CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[2-[4-[2-(1-piperidinyl)ethoxy]phenyl]ethyl]- (9CI) (CA INDEX NAME)

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RN 684248-63-3 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[2-(3-methyl-1-

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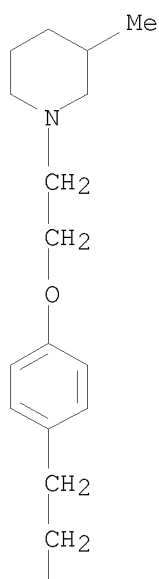
piperidinyl)ethoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine  
(1:1) (9CI) (CA INDEX NAME)

CM 1

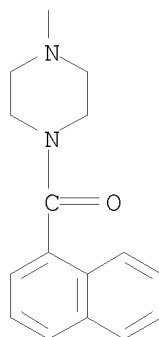
CRN 684248-62-2

CMF C31 H39 N3 O2

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CM 2

CRN 64-18-6

10/531,758

CMF C H2 O2

O=CH-OH

RN 684248-65-5 CAPLUS

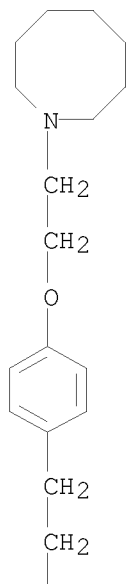
CN Formic acid, compd. with 1-[2-[4-[2-(hexahydro-1(2H)-  
azocinyl)ethoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1)  
(9CI) (CA INDEX NAME)

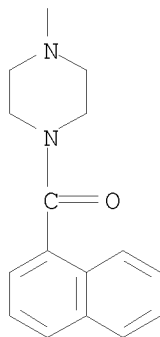
CM 1

CRN 684248-64-4

CMF C32 H41 N3 O2

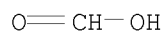
PAGE 1-A





CM 2

CRN 64-18-6  
CMF C H2 O2

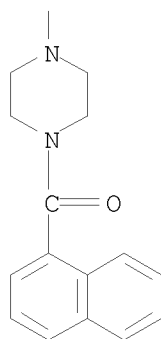
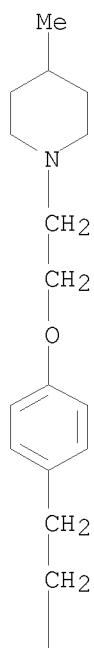


RN 684248-67-7 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[2-(4-methyl-1-piperidinyl)ethoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine  
(1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684248-66-6  
CMF C31 H39 N3 O2



CM 2

CRN 64-18-6  
CMF C H2 O2

O=CH-OH

RN 684248-69-9 CAPLUS  
CN Formic acid, compd. with 1-[2-[4-[2-(hexahydro-1H-azepin-1-

10/531,758

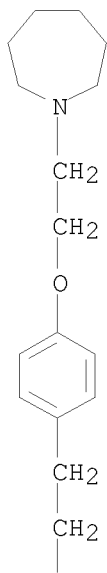
y1)ethoxy|phenyl|ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI)  
(CA INDEX NAME)

CM 1

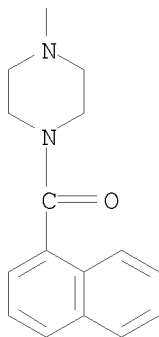
CRN 684248-68-8

CMF C31 H39 N3 O2

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CM 2

CRN 64-18-6

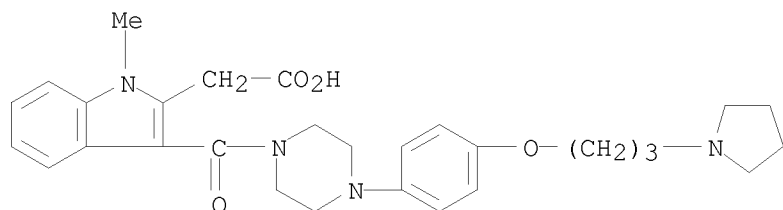
10/531,758

CMF C H2 O2

O=CH-OH

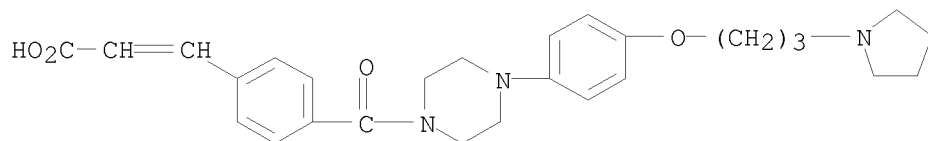
RN 684248-70-2 CAPLUS

CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



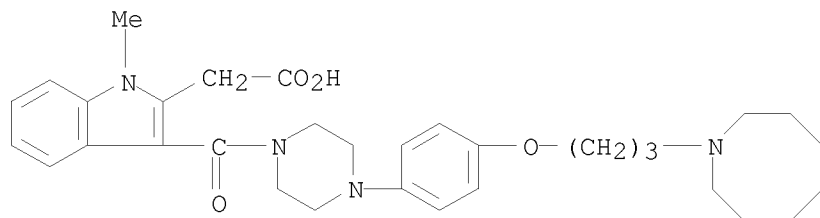
RN 684248-71-3 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-72-4 CAPLUS

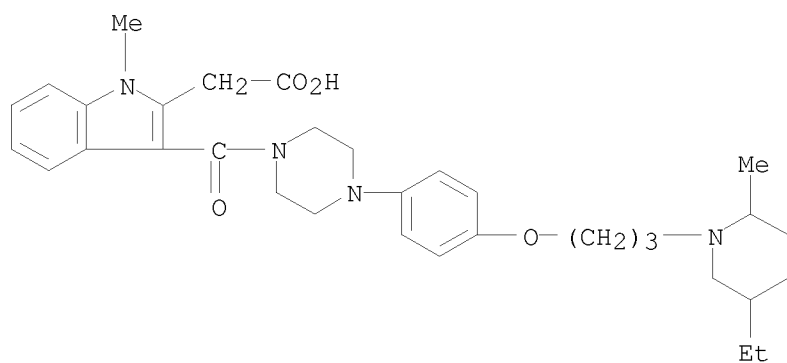
CN 1H-Indole-2-acetic acid, 3-[[4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-methyl- (CA INDEX NAME)



RN 684248-73-5 CAPLUS

CN 1H-Indole-2-acetic acid, 3-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-methyl- (CA INDEX NAME)

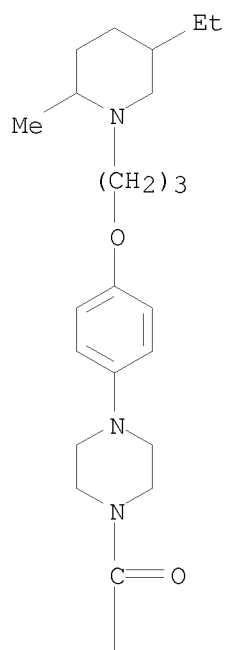
10/531,758

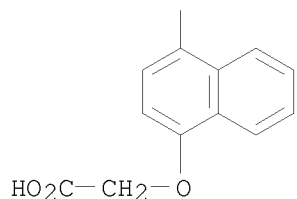


RN 684248-74-6 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

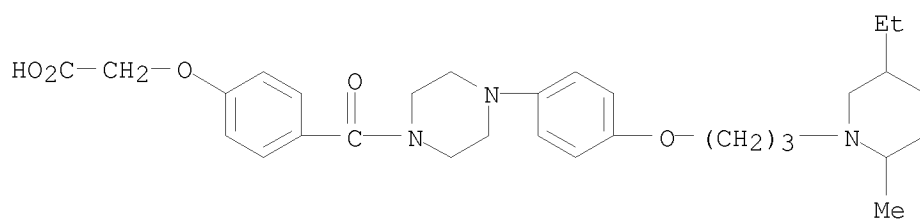
PAGE 1-A





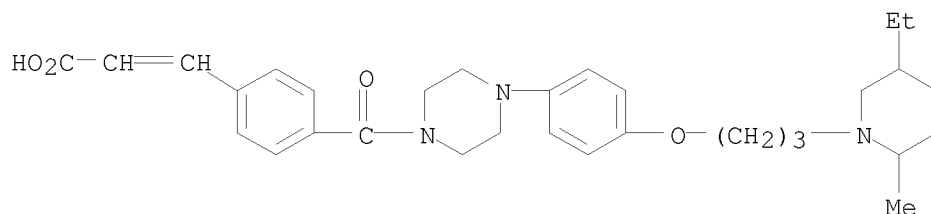
RN 684248-75-7 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



RN 684248-76-8 CAPLUS

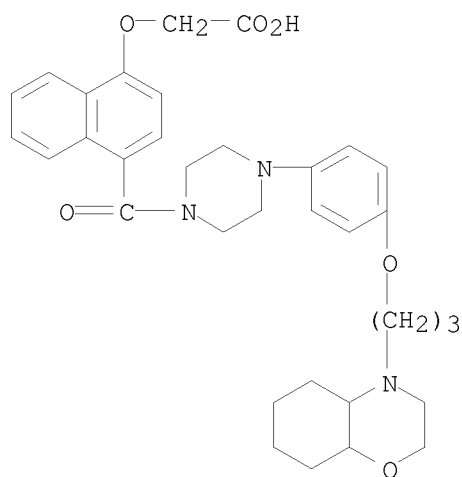
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-77-9 CAPLUS

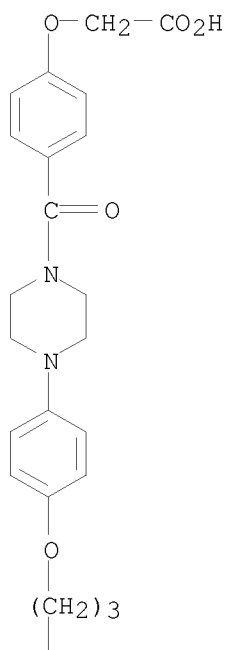
CN Acetic acid, [[4-[[4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

10/531,758

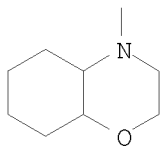


RN 684248-78-0 CAPLUS  
CN Acetic acid, [4-[[4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-(9CI) (CA INDEX NAME)

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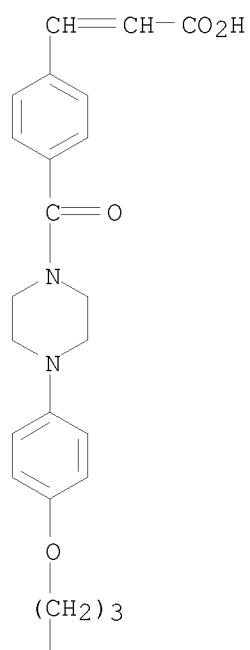


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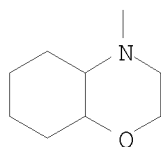


RN 684248-79-1 CAPLUS  
 CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)

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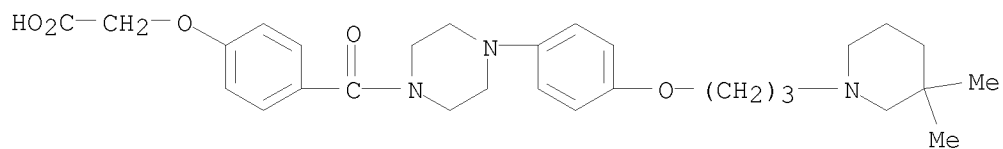


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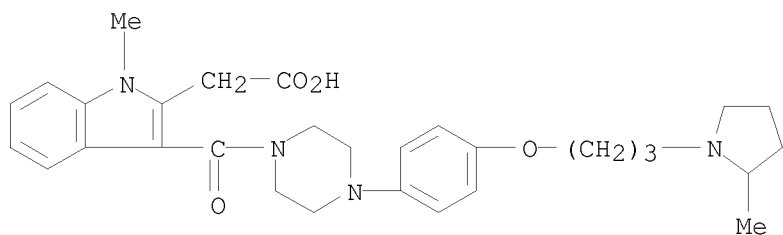
RN 684248-80-4 CAPLUS  
 CN Acetic acid, [4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)

10/531,758



RN 684248-81-5 CAPLUS

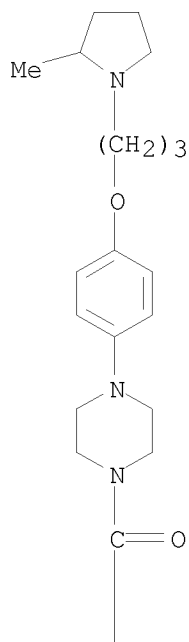
CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)

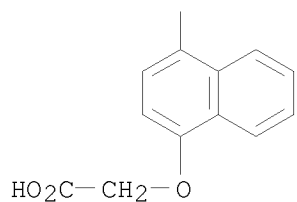


RN 684248-82-6 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

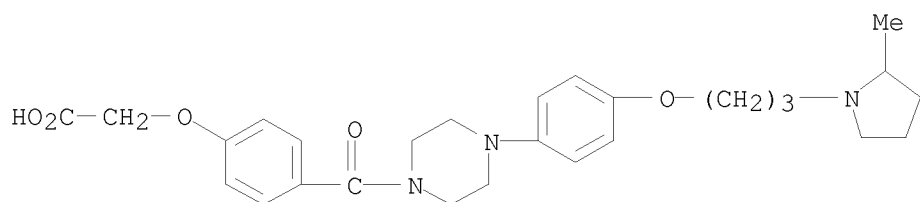
PAGE 1-A





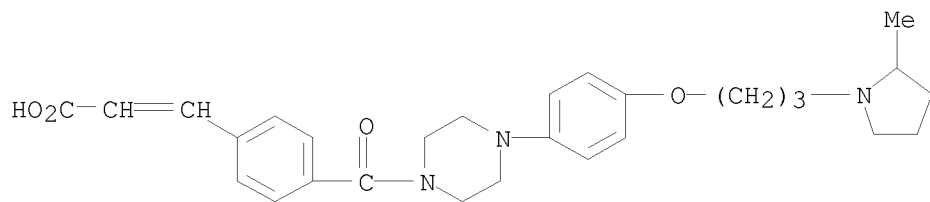
RN 684248-83-7 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



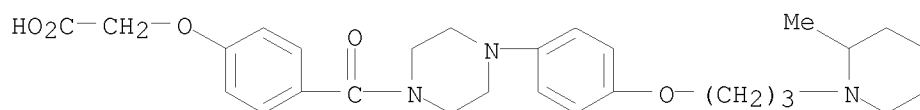
RN 684248-84-8 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-85-9 CAPLUS

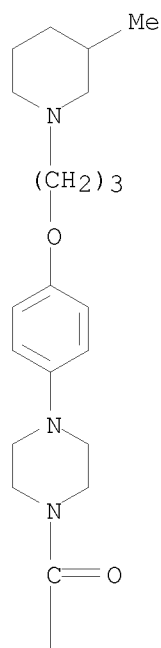
CN Acetic acid, [4-[[4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



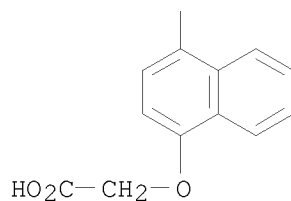
RN 684248-86-0 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

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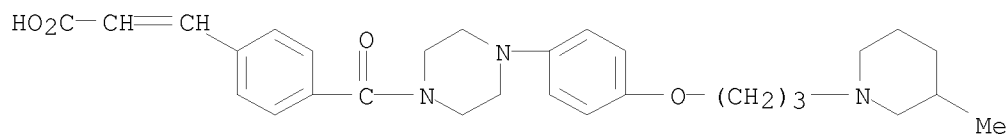


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RN 684248-87-1 CAPLUS

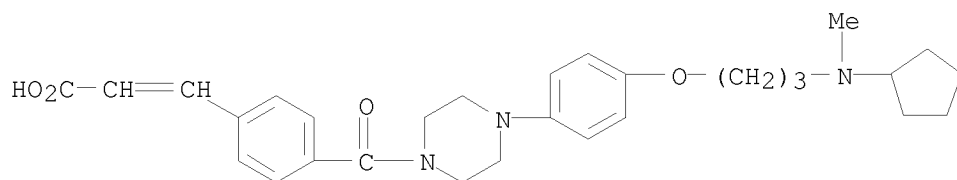
CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(3-methyl-1-piperidinyloxy)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-88-2 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)

10/531,758

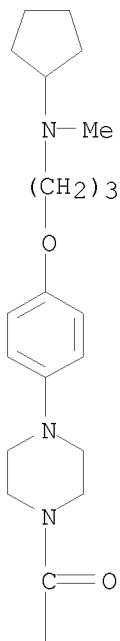


RN 684248-90-6 CAPLUS  
CN Acetic acid, [[4-[[4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, mono(trifluoroacetate) (9CI)  
(CA INDEX NAME)

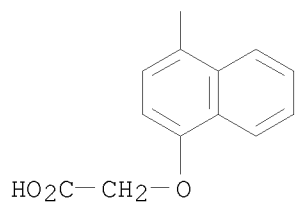
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CRN 684248-89-3  
CMF C32 H39 N3 O5

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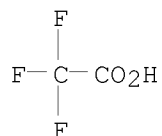


10/531,758

CM 2

CRN 76-05-1

CMF C2 H F3 O2



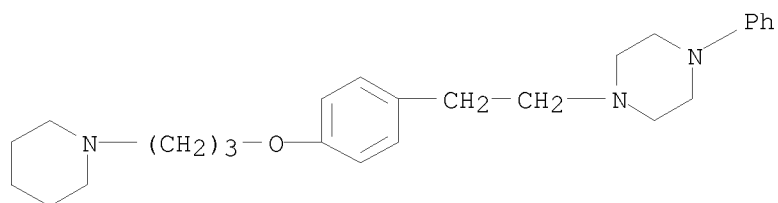
RN 684248-92-8 CAPLUS

CN Piperazine, 1-phenyl-4-[2-[4-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684248-91-7

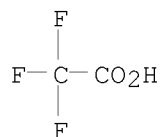
CMF C26 H37 N3 O



CM 2

CRN 76-05-1

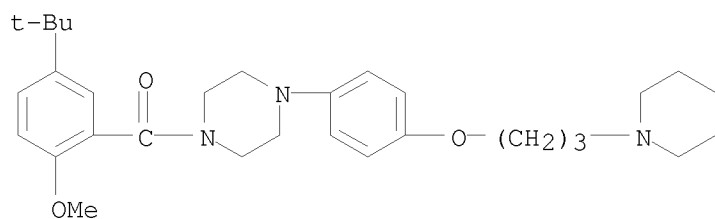
CMF C2 H F3 O2



RN 684248-93-9 CAPLUS

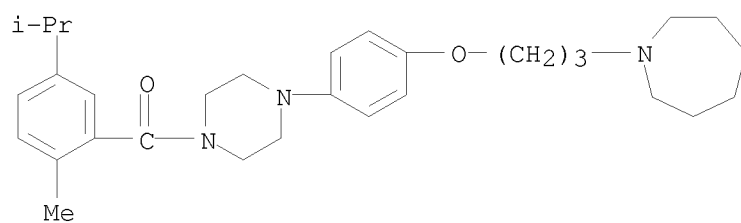
CN Piperazine, 1-[5-(1,1-dimethylethyl)-2-methoxybenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758



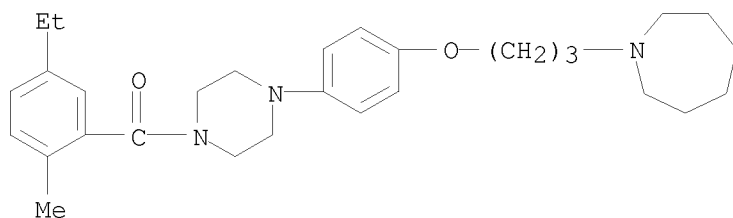
RN 684248-94-0 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



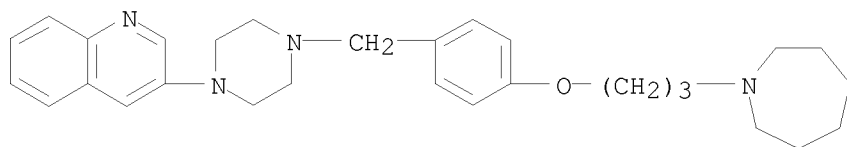
RN 684248-95-1 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



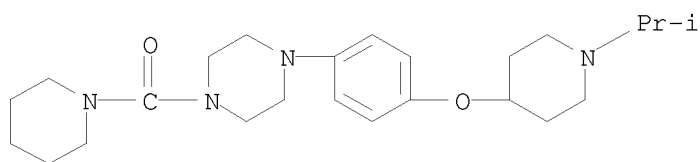
RN 684250-00-8 CAPLUS

CN Quinoline, 3-[4-[[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)



RN 684259-01-6 CAPLUS

CN Piperazine, 1-[4-[[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-(1-piperidinylcarbonyl)- (CA INDEX NAME)



IT 397275-61-5P 398473-84-2P, 1-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine 398474-01-6P, 4-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine-1-carboxylic acid tert-butyl ester 684248-96-2P, 4-[4-(3-(Piperidin-1-yl)propoxy)benzyl]piperazine-1-carboxylic acid tert-butyl ester 684248-97-3P, 1-[4-(3-(Piperidin-1-yl)propoxy)benzyl]piperazine trihydrochloride 684248-99-5P, 4-(4-((Piperazin-1-yl)methyl)phenoxy)piperidine-1-carboxylic acid tert-butyl ester 684249-00-1P, 4-(4-((4-(Benzoyl)piperazin-1-yl)methyl)phenoxy)piperidine-1-carboxylic acid tert-butyl ester 684249-02-3P, 4-[3-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine-1-carboxylic acid tert-butyl ester 684249-03-4P, 1-[3-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine 684249-05-6P 684249-06-7P 684249-07-8P 684249-08-9P 684249-09-0P 684249-10-3P 684249-12-5P, 3-[[4-(2-Naphthalenyl)-1-piperazinyl]methyl]phenol 684249-13-6P, 3-[[4-(1-Naphthalenyl)-1-piperazinyl]methyl]phenol 684249-14-7P 684249-15-8P, 4-[[4-(4-Quinoliny)-1-piperazinyl]methyl]phenol 684249-16-9P, 4-[[4-(1-Naphthalenyl)-1-piperazinyl]methyl]phenol 684249-17-0P, 2-Methyl-4-[4-(2-[4-[(phenylmethyl)oxy]phenyl]ethyl)-1-piperazinyl]quinoline 684249-18-1P, 2-Methyl-4-[4-(2-[3-[(phenylmethyl)oxy]phenyl]ethyl)-1-piperazinyl]quinoline 684249-19-2P, 1-(1-Naphthalenyl)-4-(2-[4-[(phenylmethyl)oxy]phenyl]ethyl)piperazine 684249-20-5P, 1-(1-Naphthalenyl)-4-(2-[3-[(phenylmethyl)oxy]phenyl]ethyl)piperazine 684249-21-6P, 1-Phenyl-4-(2-[4-[(phenylmethyl)oxy]phenyl]ethyl)piperazine 684249-22-7P, 4-[2-[4-(2-Methyl-4-quinoliny)-1-piperazinyl]ethyl]phenol 684249-23-8P, 3-[2-[4-(2-Methyl-4-quinoliny)-1-piperazinyl]ethyl]phenol 684249-24-9P, 4-[2-[4-(1-Naphthalenyl)-1-piperazinyl]ethyl]phenol 684249-25-0P, 3-[2-[4-(1-Naphthalenyl)-1-piperazinyl]ethyl]phenol 684249-26-1P, 4-[2-[4-Phenyl-1-piperazinyl]ethyl]phenol 684249-29-4P, 4-[4-((1-Naphthyl)carbonyl)piperazin-1-yl]phenol 684249-30-7P 684249-31-8P 684249-32-9P 684249-35-2P 684249-38-5P 684249-39-6P 684249-40-9P 684249-42-1P, 4-[4-[(4-Fluorophenyl)carbonyl]-1-piperazinyl]phenol 684249-43-2P 684249-44-3P 684249-47-6P 684249-48-7P 684249-49-8P 684249-50-1P 684249-51-2P 684249-52-3P 684249-53-4P, 4-[4-(Phenylcarbonyl)-1-piperazinyl]phenol 684249-54-5P 684249-55-6P 684249-56-7P 684249-57-8P 684249-58-9P, 4-[[4-(4-Hydroxyphenyl)-1-piperazinyl]carbonyl]benzonitrile 684249-59-0P 684249-60-3P 684249-61-4P, 1-[4-[(2-Bromoethyl)oxy]phenyl]-4-(phenylcarbonyl)piperazine 684249-64-7P 684249-65-8P 684249-68-1P 684249-69-2P 684249-73-8P 684249-74-9P 684249-75-0P 684249-76-1P 684249-77-2P 684249-78-3P 684249-79-4P 684249-81-8P 684249-82-9P

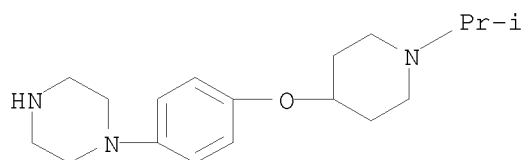
684249-84-1P 684249-87-4P 684249-91-0P  
 684249-92-1P 684249-93-2P 684249-94-3P  
 684249-95-4P 684249-96-5P 684249-97-6P,  
 1-[3-(4-(Piperazin-1-yl)phenoxy)propyl]azepane 684250-02-0P,  
 3-[[4-(3-Quinoliny)-1-piperazinyl]methyl]phenol 684250-03-1P  
 684250-04-2P 684259-02-7P, 4-[[4-(8-Quinoliny)-1-  
 piperazinyl]methyl]phenol

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(preparation of substituted piperazines, [1,4]diazepines, and  
 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists  
 or histamine H3 reverse antagonists)

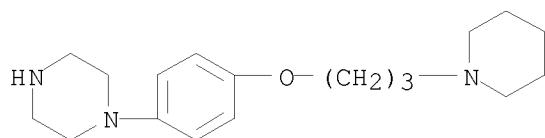
RN 397275-61-5 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX  
 NAME)



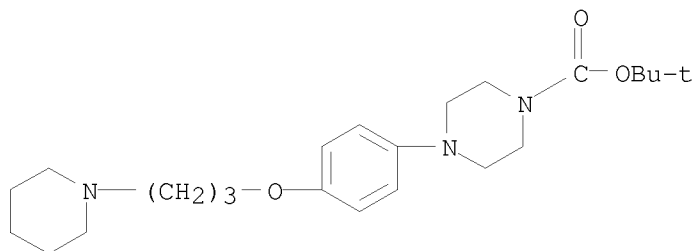
RN 398473-84-2 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 398474-01-6 CAPLUS

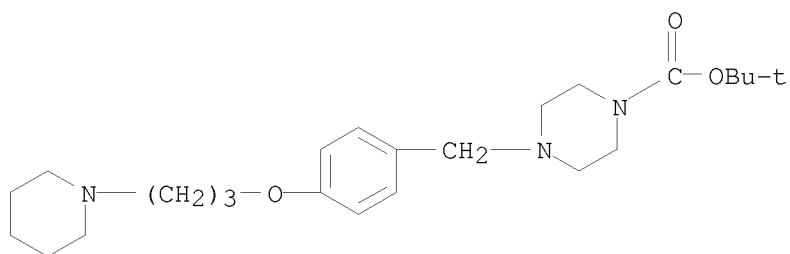
CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-,  
 1,1-dimethylethyl ester (CA INDEX NAME)



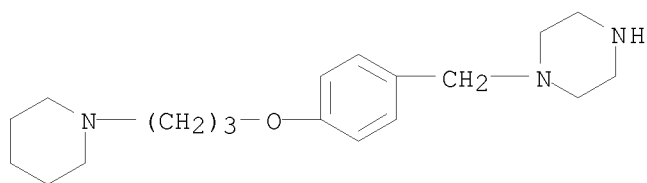
RN 684248-96-2 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl  
 ]-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/531,758

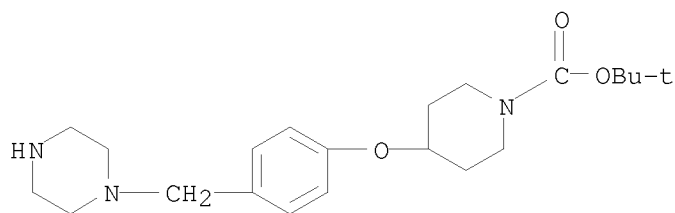


RN 684248-97-3 CAPLUS  
CN Piperazine, 1-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]-, trihydrochloride (9CI) (CA INDEX NAME)



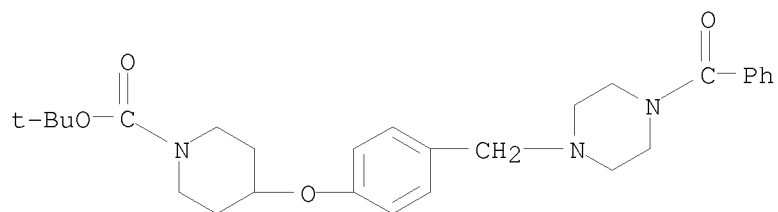
● 3 HCl

RN 684248-99-5 CAPLUS  
CN 1-Piperidinecarboxylic acid, 4-[4-(1-piperazinylmethyl)phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



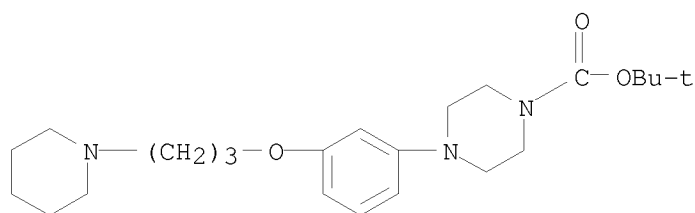
RN 684249-00-1 CAPLUS  
CN 1-Piperidinecarboxylic acid, 4-[4-[(4-benzoyl-1-piperazinyl)methyl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)

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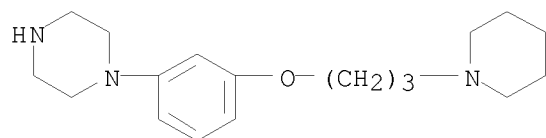
RN 684249-02-3 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[3-[3-(1-piperidinyloxy)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



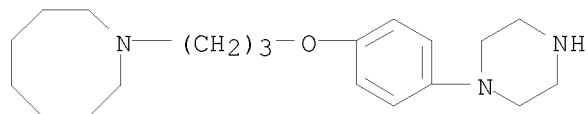
RN 684249-03-4 CAPLUS

CN Piperazine, 1-[3-[3-(1-piperidinyloxy)propoxy]phenyl]- (CA INDEX NAME)



RN 684249-05-6 CAPLUS

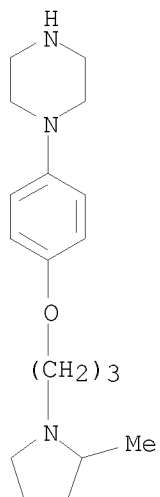
CN Azocine, octahydro-1-[3-[4-(1-piperazinyl)phenoxy]propyl]- (CA INDEX NAME)



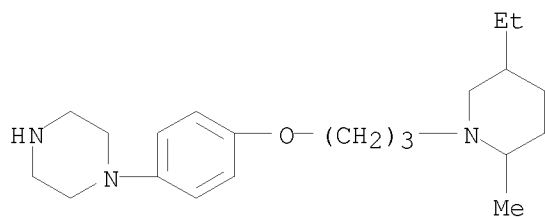
RN 684249-06-7 CAPLUS

CN Piperazine, 1-[4-[3-(2-methyl-1-pyrrolidinyloxy)propoxy]phenyl]- (CA INDEX NAME)

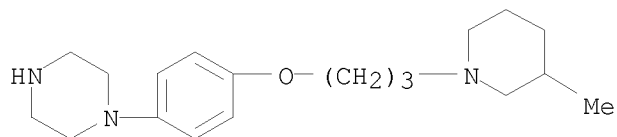
10/531,758



RN 684249-07-8 CAPLUS  
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

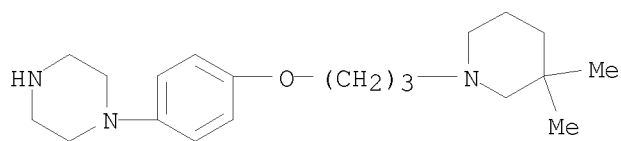


RN 684249-08-9 CAPLUS  
CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



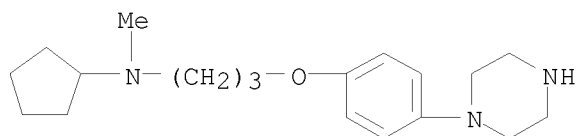
RN 684249-09-0 CAPLUS  
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

10/531,758



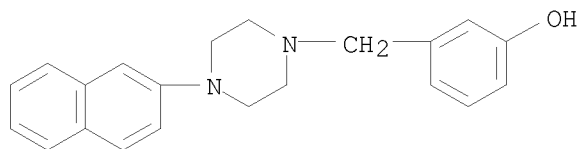
RN 684249-10-3 CAPLUS

CN Cyclopentanamine, N-methyl-N-[3-[4-(1-piperazinyl)phenoxy]propyl]- (CA INDEX NAME)



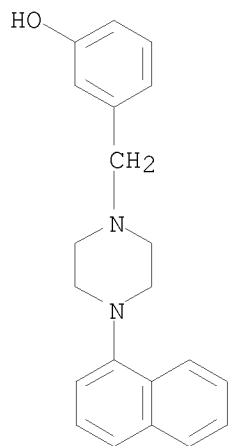
RN 684249-12-5 CAPLUS

CN Phenol, 3-[[4-(2-naphthalenyl)-1-piperazinyl]methyl]- (CA INDEX NAME)



RN 684249-13-6 CAPLUS

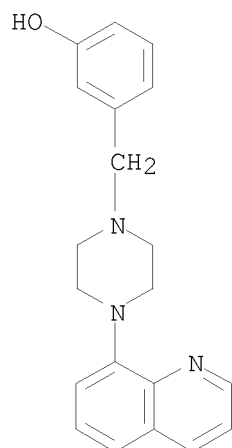
CN Phenol, 3-[[4-(1-naphthalenyl)-1-piperazinyl]methyl]- (CA INDEX NAME)



RN 684249-14-7 CAPLUS

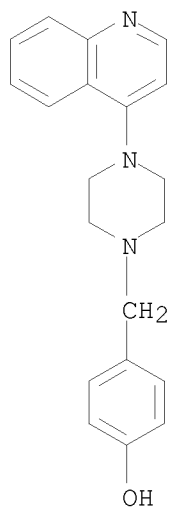
CN Phenol, 3-[[4-(8-quinolinyl)-1-piperazinyl]methyl]- (CA INDEX NAME)

10/531,758



RN 684249-15-8 CAPLUS

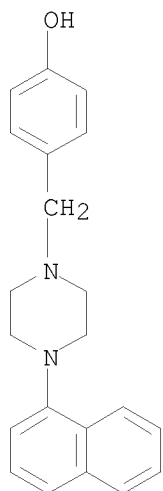
CN Phenol, 4-[[4-(4-quinolinyl)-1-piperazinyl]methyl]- (CA INDEX NAME)



RN 684249-16-9 CAPLUS

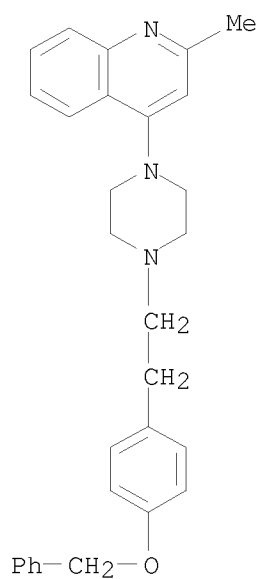
CN Phenol, 4-[[4-(1-naphthalenyl)-1-piperazinyl]methyl]- (CA INDEX NAME)

10/531,758



RN 684249-17-0 CAPLUS

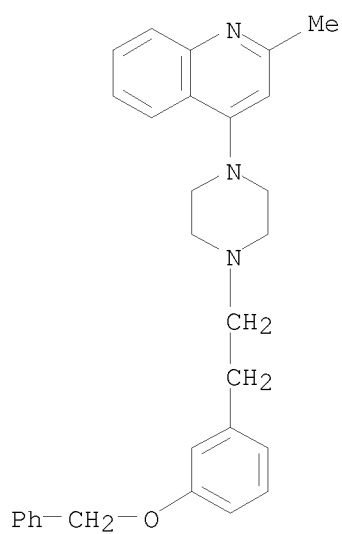
CN Quinoline, 2-methyl-4-[4-[2-[4-(phenylmethoxy)phenyl]ethyl]-1-piperazinyl]-  
(CA INDEX NAME)



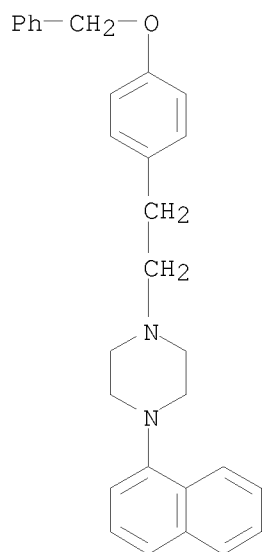
RN 684249-18-1 CAPLUS

CN Quinoline, 2-methyl-4-[4-[2-[3-(phenylmethoxy)phenyl]ethyl]-1-piperazinyl]-  
(CA INDEX NAME)

10/531,758

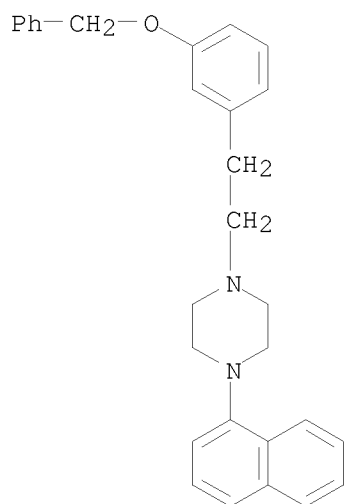


RN 684249-19-2 CAPLUS  
CN Piperazine, 1-(1-naphthalenyl)-4-[2-[4-(phenylmethoxy)phenyl]ethyl]- (CA  
INDEX NAME)



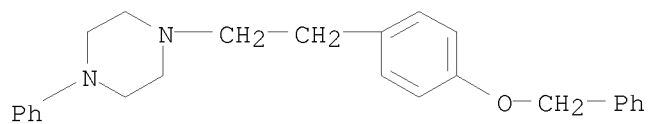
RN 684249-20-5 CAPLUS  
CN Piperazine, 1-(1-naphthalenyl)-4-[2-[3-(phenylmethoxy)phenyl]ethyl]- (CA  
INDEX NAME)

10/531,758



RN 684249-21-6 CAPLUS

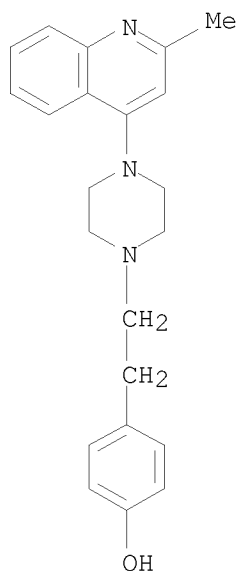
CN Piperazine, 1-phenyl-4-[2-[4-(phenylmethoxy)phenyl]ethyl]- (CA INDEX NAME)



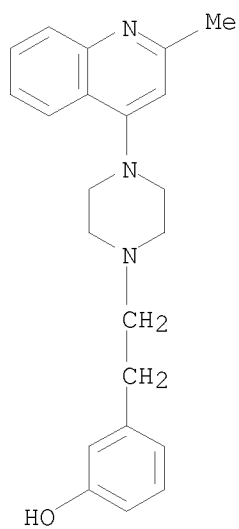
RN 684249-22-7 CAPLUS

CN Phenol, 4-[2-[4-(2-methyl-4-quinolinyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)

10/531,758

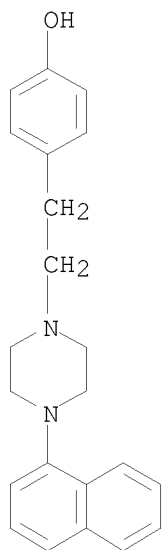


RN 684249-23-8 CAPLUS  
CN Phenol, 3-[2-[4-(2-methyl-4-quinolinyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)



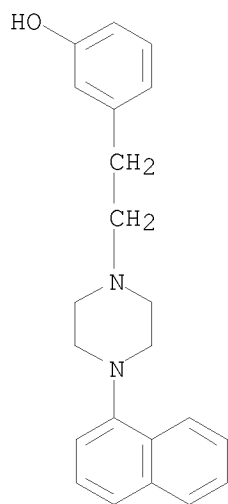
RN 684249-24-9 CAPLUS  
CN Phenol, 4-[2-[4-(1-naphthalenyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)

10/531,758



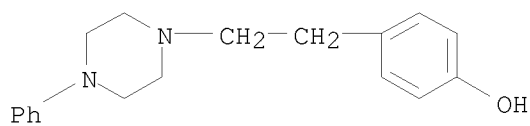
RN 684249-25-0 CAPLUS

CN Phenol, 3-[2-[4-(1-naphthalenyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)



RN 684249-26-1 CAPLUS

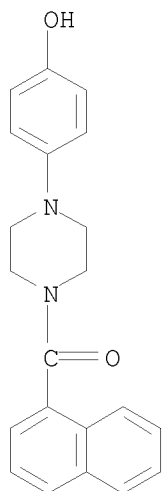
CN Phenol, 4-[2-(4-phenyl-1-piperazinyl)ethyl]- (CA INDEX NAME)



RN 684249-29-4 CAPLUS

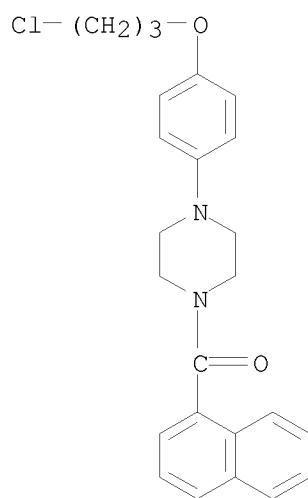
10/531,758

CN Piperazine, 1-(4-hydroxyphenyl)-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



RN 684249-30-7 CAPLUS

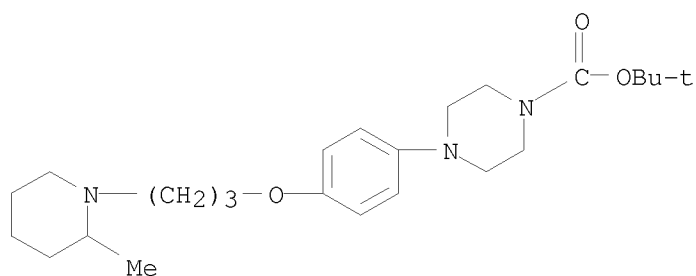
CN Piperazine, 1-[4-(3-chloropropoxy)phenyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



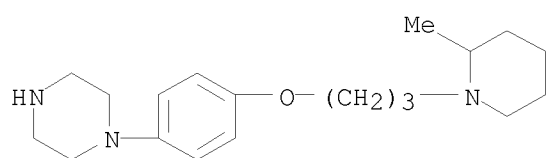
RN 684249-31-8 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

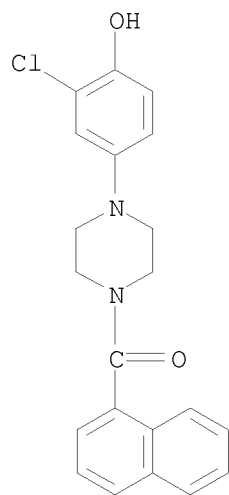
10/531,758



RN 684249-32-9 CAPLUS  
CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

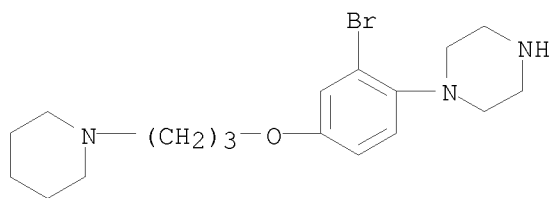


RN 684249-35-2 CAPLUS  
CN Piperazine, 1-(3-chloro-4-hydroxyphenyl)-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



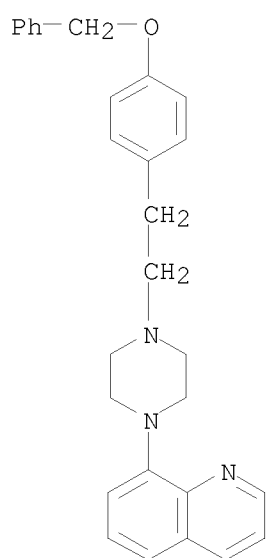
RN 684249-38-5 CAPLUS  
CN Piperazine, 1-[2-bromo-4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

10/531,758



RN 684249-39-6 CAPLUS

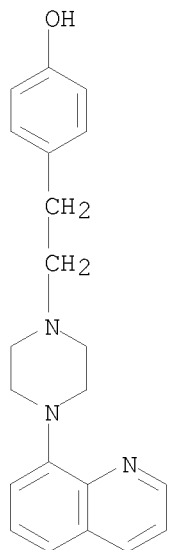
CN Quinoline, 8-[4-[2-[4-(phenylmethoxy)phenyl]ethyl]-1-piperazinyl]- (CA INDEX NAME)



RN 684249-40-9 CAPLUS

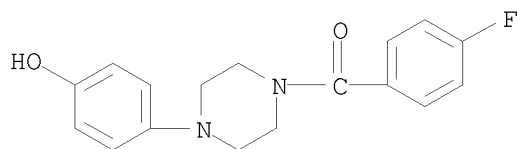
CN Phenol, 4-[2-[4-(8-quinolinyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)

10/531,758



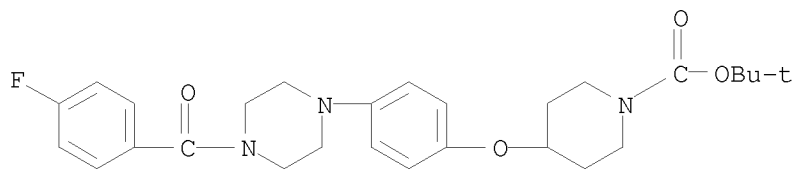
RN 684249-42-1 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



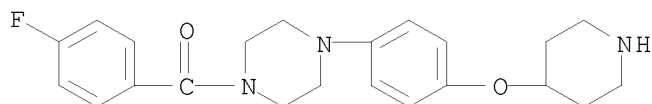
RN 684249-43-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[4-[4-(4-fluorobenzoyl)-1-piperazinyl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-44-3 CAPLUS

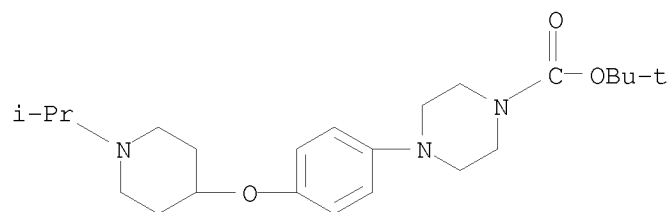
CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-(4-piperidinyloxy)phenyl]- (9CI) (CA INDEX NAME)



10/531,758

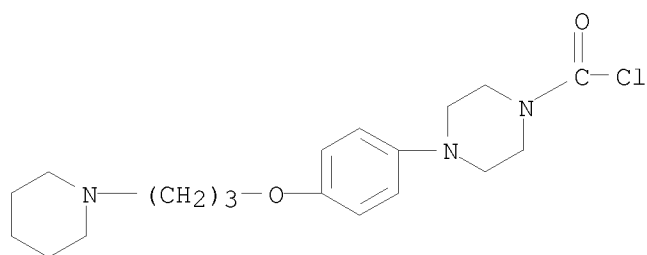
RN 684249-47-6 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-48-7 CAPLUS

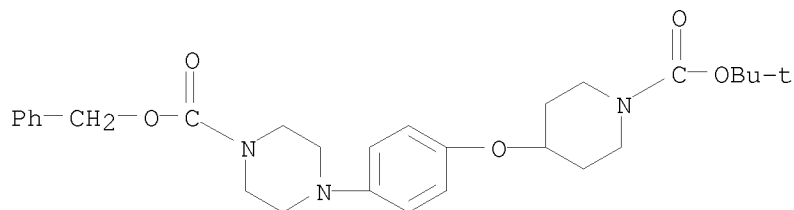
CN 1-Piperazinecarbonyl chloride, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

RN 684249-49-8 CAPLUS

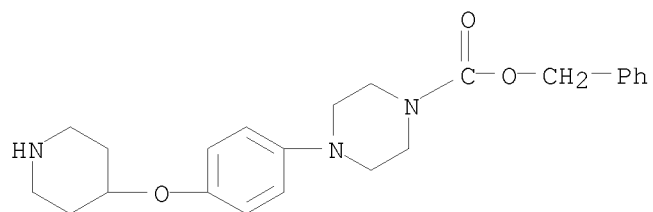
CN 1-Piperazinecarboxylic acid, 4-[4-[[1-[(1,1-dimethylethoxy)carbonyl]-4-piperidinyl]oxy]phenyl]-, phenylmethyl ester (CA INDEX NAME)



RN 684249-50-1 CAPLUS

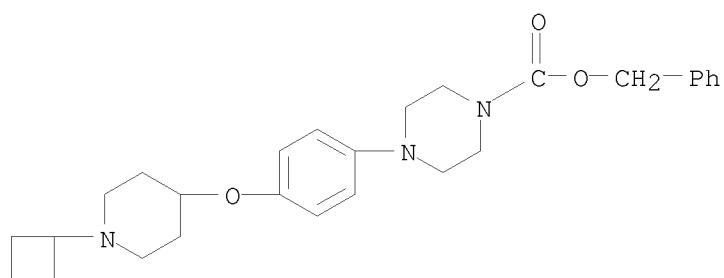
CN 1-Piperazinecarboxylic acid, 4-[4-(4-piperidinyl)oxy]phenyl]-, phenylmethyl ester (CA INDEX NAME)

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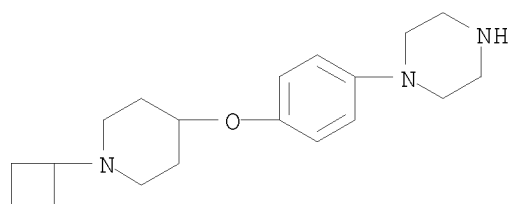
RN 684249-51-2 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[(1-cyclobutyl-4-piperidinyloxy]phenyl]-, phenylmethyl ester (CA INDEX NAME)



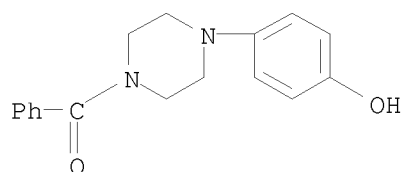
RN 684249-52-3 CAPLUS

CN Piperazine, 1-[4-[(1-cyclobutyl-4-piperidinyloxy]phenyl]- (CA INDEX NAME)



RN 684249-53-4 CAPLUS

CN Piperazine, 1-benzoyl-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



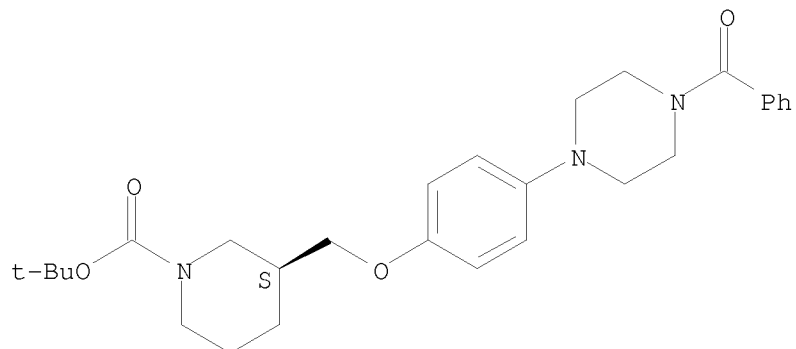
RN 684249-54-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

10/531,758

NAME)

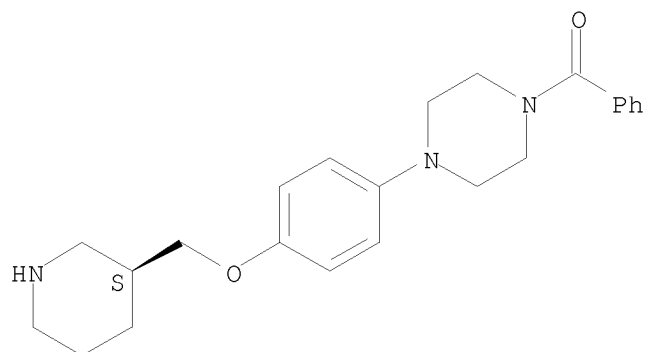
Absolute stereochemistry.



RN 684249-55-6 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

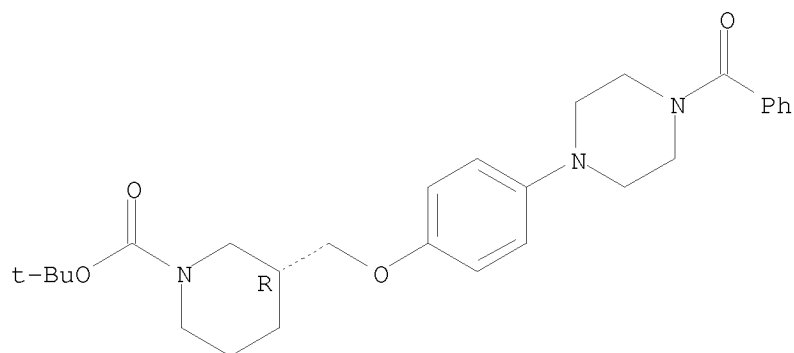


RN 684249-56-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

Absolute stereochemistry.

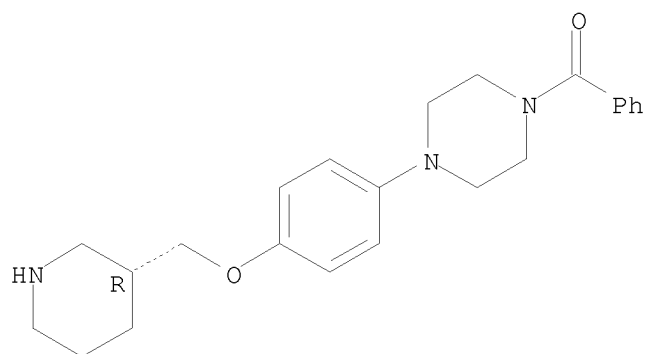
10/531,758



RN 684249-57-8 CAPLUS

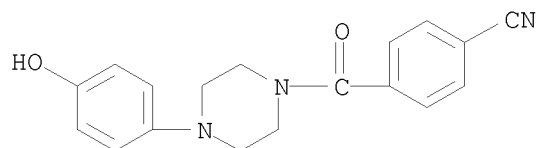
CN Piperazine, 1-benzoyl-4-[4-[(3R)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684249-58-9 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)

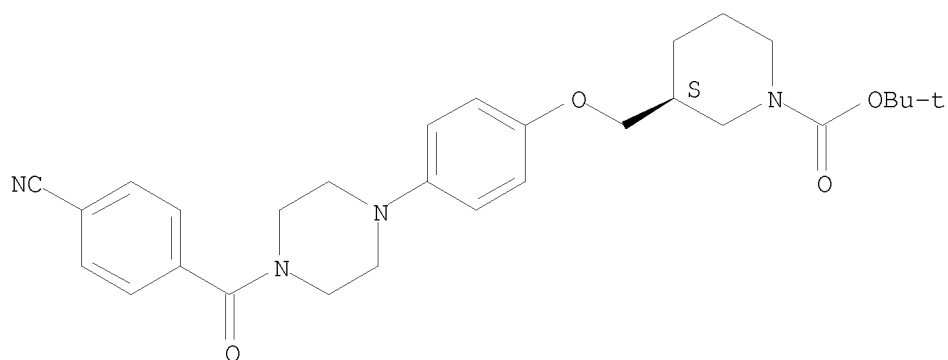


RN 684249-59-0 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-[4-(4-cyanobenzoyl)-1-piperazinyl]phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.

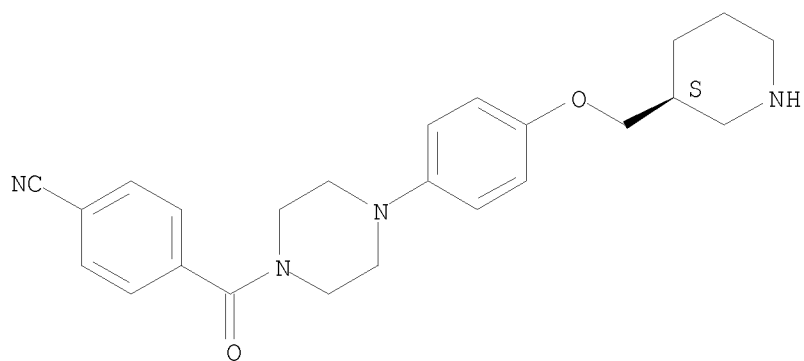
10/531,758



RN 684249-60-3 CAPLUS

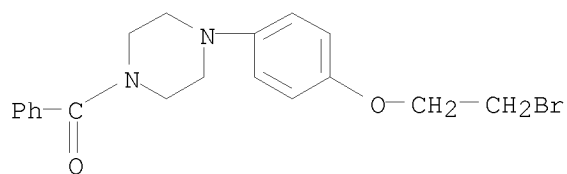
CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684249-61-4 CAPLUS

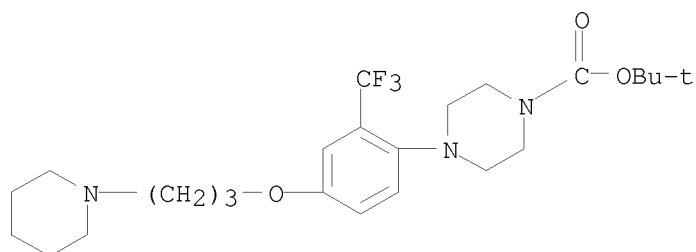
CN Piperazine, 1-benzoyl-4-[4-(2-bromoethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 684249-64-7 CAPLUS

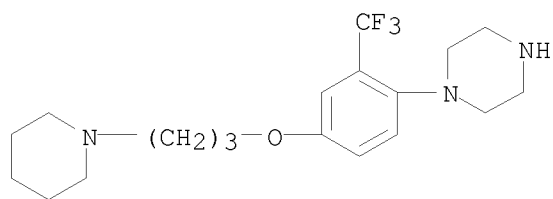
CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]-2-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/531,758



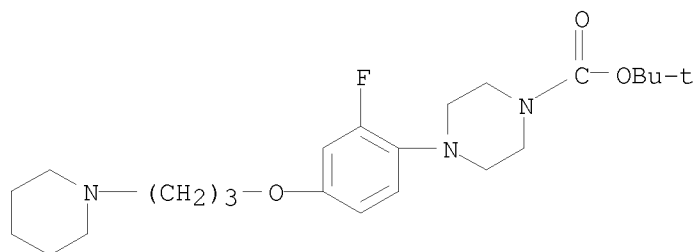
RN 684249-65-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyloxy)propoxy]-2-(trifluoromethyl)phenyl]-  
(CA INDEX NAME)



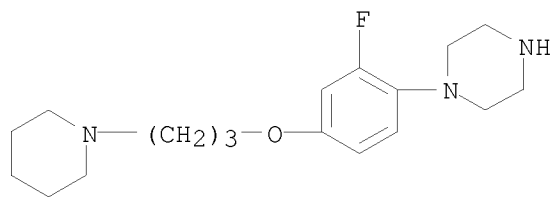
RN 684249-68-1 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[2-fluoro-4-[3-(1-piperidinyloxy)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-69-2 CAPLUS

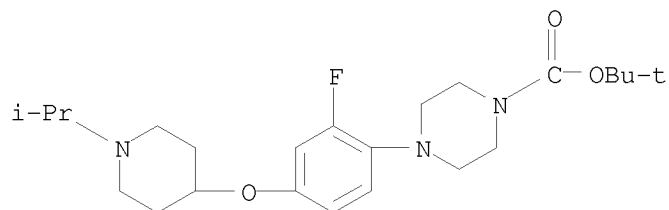
CN Piperazine, 1-[2-fluoro-4-[3-(1-piperidinyloxy)propoxy]phenyl]- (CA INDEX NAME)



RN 684249-73-8 CAPLUS

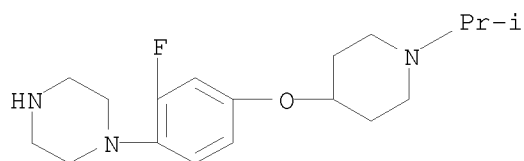
10/531,758

CN 1-Piperazinecarboxylic acid, 4-[2-fluoro-4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-74-9 CAPLUS

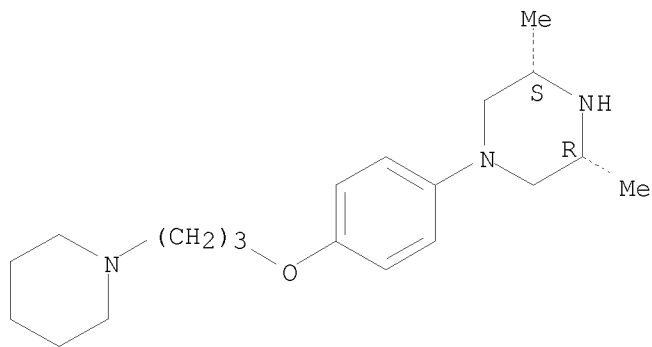
CN Piperazine, 1-[2-fluoro-4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



RN 684249-75-0 CAPLUS

CN Piperazine, 3,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (3R,5S)-rel- (CA INDEX NAME)

Relative stereochemistry.

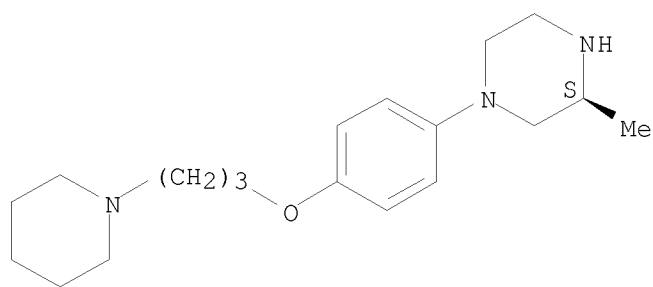


RN 684249-76-1 CAPLUS

CN Piperazine, 3-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (3S)- (CA INDEX NAME)

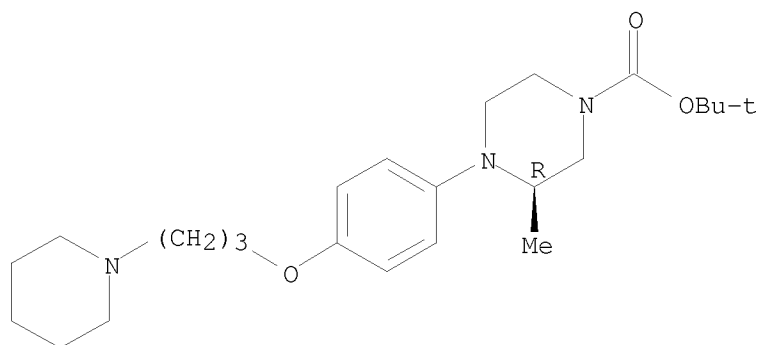
Absolute stereochemistry.

10/531,758



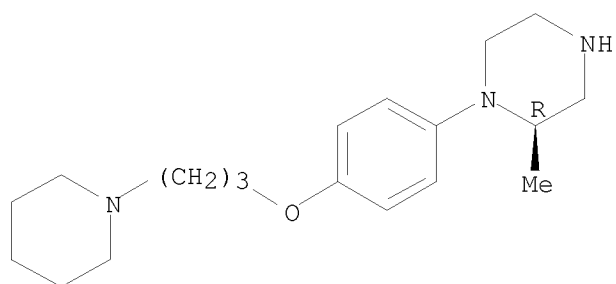
RN 684249-77-2 CAPLUS  
CN 1-Piperazinecarboxylic acid, 3-methyl-4-[4-[3-(1-piperidiny)propoxy]phenyl]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

Absolute stereochemistry.



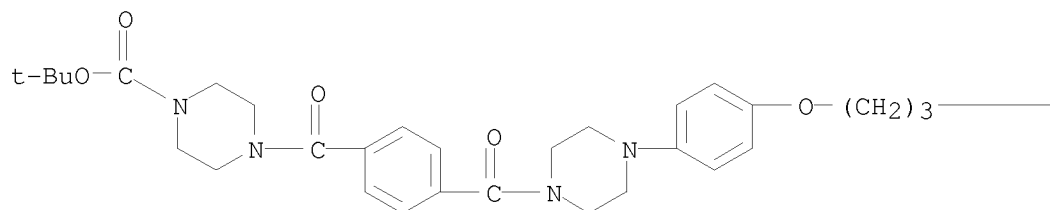
RN 684249-78-3 CAPLUS  
CN Piperazine, 2-methyl-1-[4-[3-(1-piperidiny)propoxy]phenyl]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

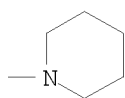


RN 684249-79-4 CAPLUS  
CN 1-Piperazinecarboxylic acid, 4-[4-[[4-[4-[3-(1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

PAGE 1-A

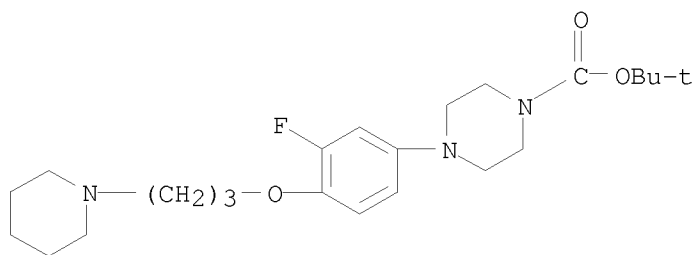


PAGE 1-B



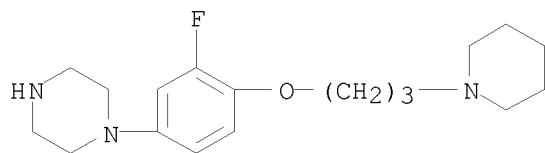
RN 684249-81-8 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[3-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-82-9 CAPLUS

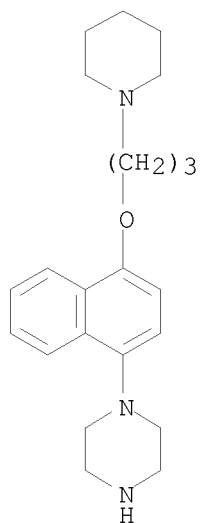
CN Piperazine, 1-[3-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 684249-84-1 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]-1-naphthalenyl]- (CA INDEX NAME)

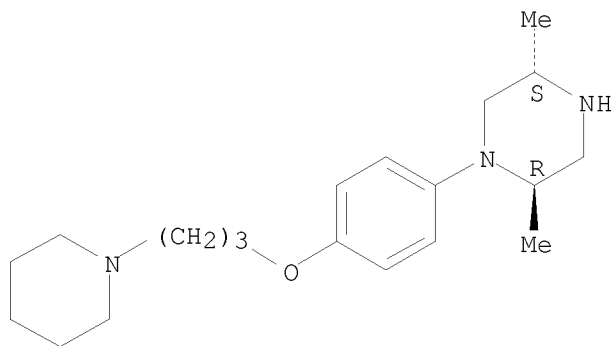
10/531,758



RN 684249-87-4 CAPLUS

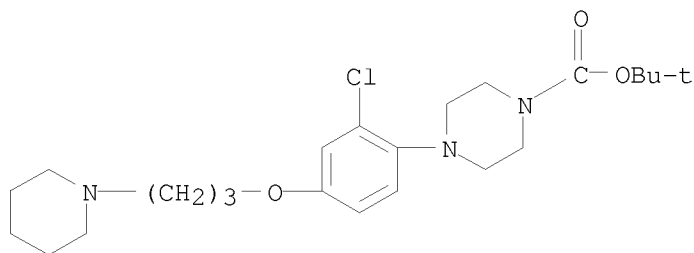
CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 684249-91-0 CAPLUS

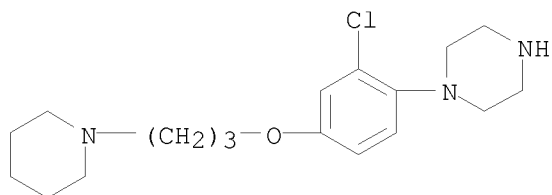
CN 1-Piperazinecarboxylic acid, 4-[2-chloro-4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



10/531,758

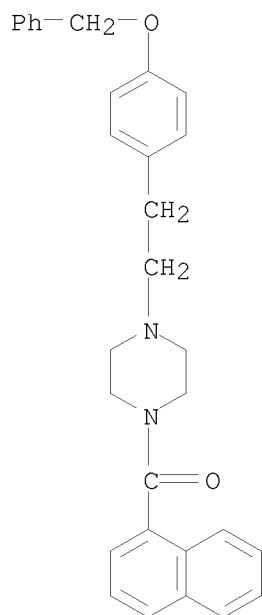
RN 684249-92-1 CAPLUS

CN Piperazine, 1-[2-chloro-4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 684249-93-2 CAPLUS

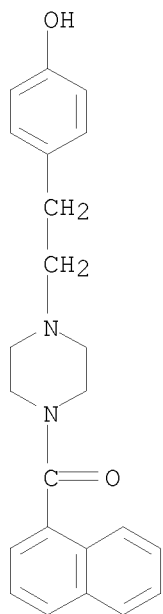
CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[2-[4-(phenylmethoxy)phenyl]ethyl]- (9CI) (CA INDEX NAME)



RN 684249-94-3 CAPLUS

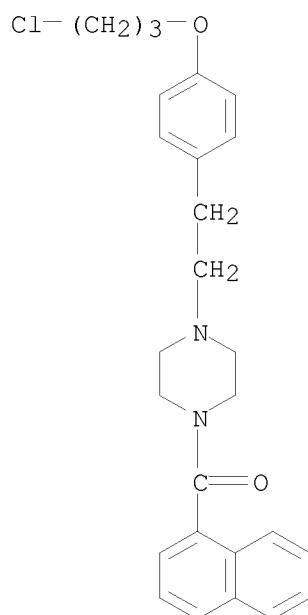
CN Piperazine, 1-[2-(4-hydroxyphenyl)ethyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

10/531,758



RN 684249-95-4 CAPLUS

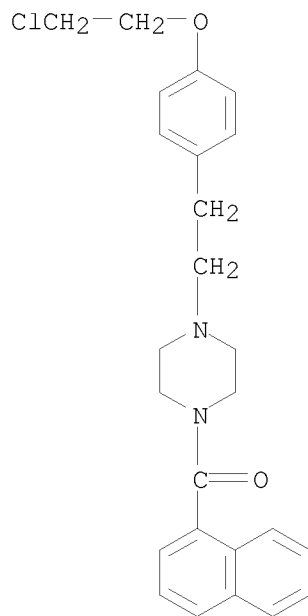
CN Piperazine, 1-[2-[4-(3-chloropropoxy)phenyl]ethyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



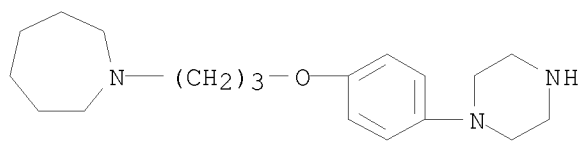
RN 684249-96-5 CAPLUS

CN Piperazine, 1-[2-[4-(2-chloroethoxy)phenyl]ethyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

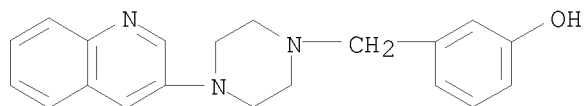
10/531,758



RN 684249-97-6 CAPLUS  
CN 1H-Azepine, hexahydro-1-[3-[4-(1-piperazinyl)phenoxy]propyl]- (CA INDEX NAME)

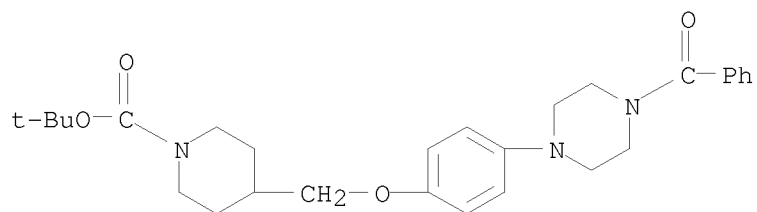


RN 684250-02-0 CAPLUS  
CN Phenol, 3-[[4-(3-quinolinyl)-1-piperazinyl]methyl]- (CA INDEX NAME)



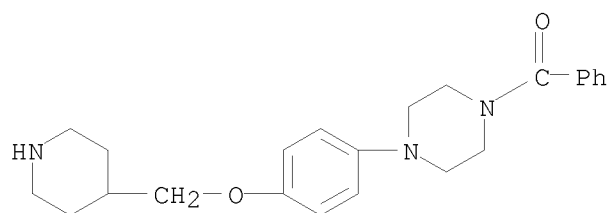
RN 684250-03-1 CAPLUS  
CN 1-Piperidinecarboxylic acid, 4-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/531,758



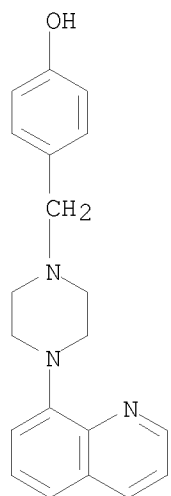
RN 684250-04-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-(4-piperidinylmethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 684259-02-7 CAPLUS

CN Phenol, 4-[[4-(8-quinolinyl)-1-piperazinyl]methyl]- (CA INDEX NAME)



REFERENCE COUNT:

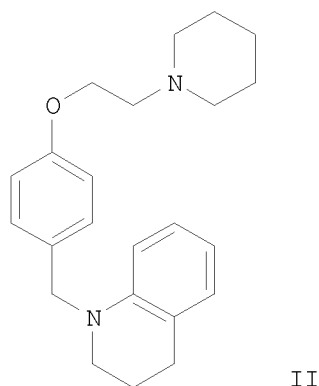
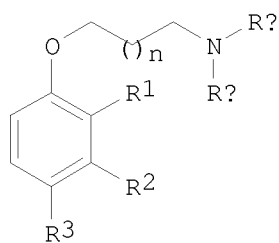
3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L54 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:122980 CAPLUS  
 DOCUMENT NUMBER: 136:183708  
 TITLE: Preparation of non-imidazole aryloxyalkylamines as histamine H3 receptor antagonists  
 INVENTOR(S): Apodaca, Richard; Carruthers, Nicholas I.; Dvorak, Curt A.; Rudolph, Dale A.; Shah, Chandravadan R.; Xiao, Wei  
 PATENT ASSIGNEE(S): Ortho McNeil Pharmaceutical Inc., USA  
 SOURCE: PCT Int. Appl., 155 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012214	A2	20020214	WO 2001-US24655	20010806
WO 2002012214	A3	20020620		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2418369	A1	20020214	CA 2001-2418369	20010806
AU 2001084733	A	20020218	AU 2001-84733	20010806
US 2002065278	A1	20020530	US 2001-922631	20010806
US 7186732	B2	20070306		
EP 1313721	A2	20030528	EP 2001-963813	20010806
EP 1313721	B1	20060308		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
HU 2003002959	A2	20031229	HU 2003-2959	20010806
HU 2003002959	A3	20060428		
JP 2004505960	T	20040226	JP 2002-518191	20010806
BR 2001013162	A	20040406	BR 2001-13162	20010806
AT 319696	T	20060315	AT 2001-963813	20010806
PT 1313721	T	20060630	PT 2001-963813	20010806
ES 2260276	T3	20061101	ES 2001-963813	20010806
MX 2003PA01267	A	20040730	MX 2003-PA1267	20030210
ZA 2003001853	A	20040621	ZA 2003-1853	20030306
ZA 2003001854	A	20040621	ZA 2003-1854	20030306
US 2006235049	A1	20061019	US 2006-453422	20060615
PRIORITY APPLN. INFO.:			US 2000-223768P	P 20000808
			US 2001-922631	A 20010806
			WO 2001-US24655	W 20010806
OTHER SOURCE(S):	MARPAT 136:183708			
GI				

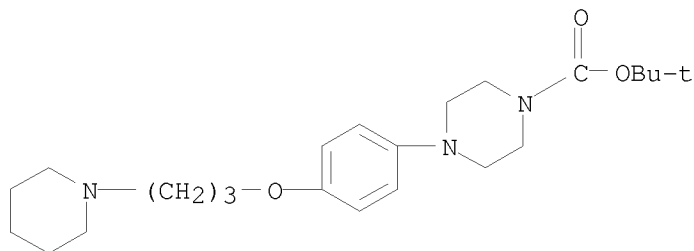


AB Title compds. I [Ra-b = alk(en/yn)yl, cycloalkyl; n = 0-4; one of R1-3 = G and the remaining two are H or halo; G = N-containing heterocycle, e.g., piperidinyl, etc.] were prepared For instance, 4-(2-(piperidin-1-yl)ethoxy)benzaldehyde was used to alkylate 1,2,3,4-tetrahydroisoquinoline (ClCH<sub>2</sub>CH<sub>2</sub>Cl, HOAc, NaBH(OAc)<sub>3</sub>, 15 h) to give II. II had K<sub>i</sub> = 37 nM for the histamine H<sub>3</sub> receptor. I are useful for treating histamine-mediated conditions.

IT 398474-01-6P, 4-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine-1-carboxylic acid tert-butyl ester  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (drug; preparation of non-imidazole aryloxyalkylamines as histamine-H<sub>3</sub> receptor antagonists)

RN 398474-01-6 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT 398473-84-2P, 1-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine

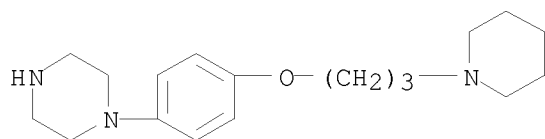
10/531,758

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(drug; preparation of non-imidazole aryloxyalkylamines as histamine-H3  
receptor antagonists)

RN 398473-84-2 CAPLUS

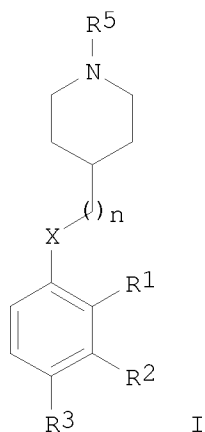
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



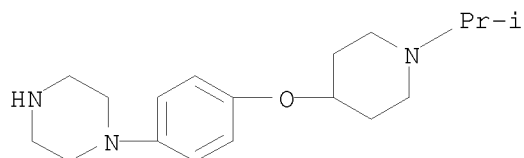
L54 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:122957 CAPLUS  
 DOCUMENT NUMBER: 136:167285  
 TITLE: Preparation of aryloxyperidines as histamine H3  
 receptor antagonists  
 INVENTOR(S): Apodaca, Richard; Carruthers, Nicholas I.; Dvorak,  
 Curt A.; Shah, Chandravadan R.; Xiao, Wei  
 PATENT ASSIGNEE(S): Ortho McNeil Pharmaceutical, Inc., USA  
 SOURCE: PCT Int. Appl., 155 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012190	A2	20020214	WO 2001-US24660	20010806
WO 2002012190	A3	20020801		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,				
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ,				
VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2419036	A1	20020214	CA 2001-2419036	20010806
AU 2001081121	A	20020218	AU 2001-81121	20010806
US 2002040024	A1	20020404	US 2001-922619	20010806
US 7071191	B2	20060704		
EP 1311482	A2	20030521	EP 2001-959582	20010806
EP 1311482	B1	20070221		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003002893	A2	20031229	HU 2003-2893	20010806
HU 2003002893	A3	20060428		
BR 2001013161	A	20040406	BR 2001-13161	20010806
JP 2004511438	T	20040415	JP 2002-518168	20010806
AT 354568	T	20070315	AT 2001-959582	20010806
AU 2001281121	B2	20070823	AU 2001-281121	20010806
ES 2282279	T3	20071016	ES 2001-959582	20010806
MX 2003PA01268	A	20040906	MX 2003-PA1268	20030210
IN 2003KN00156	A	20050311	IN 2003-KN156	20030210
ZA 2003001853	A	20040621	ZA 2003-1853	20030306
ZA 2003001854	A	20040621	ZA 2003-1854	20030306
US 2005227979	A1	20051013	US 2005-138631	20050526
US 7241778	B2	20070710		
PRIORITY APPLN. INFO.:			US 2000-223768P	P 20000808
			US 2001-922619	A 20010806
			WO 2001-US24660	W 20010806
OTHER SOURCE(S):	MARPAT 136:167285			
GI				



- AB Title compds. I [X = O; n = 0-3; R5 = alk(en)yl, cycloalkylalkyl, phenylalk(en)yl, alkylcarbonylalkyl; R1-3 = G, W, wherein one of the remaining two is selected from H and halo and the third being H; G = alk(en/yn)yl-N-containing heterocycle, etc.; W = CN, CHO, halo, heterocyclyl, phenoxy, Ph, etc.] were prepared For example, a suspension of 1-isopropylpiperidin-4-ol (preparation given), 4-fluorobenzaldehyde and Cs2CO3 were heated to 100° in DMF for 22 h resulting in the formation of 4-[(1-isopropylpiperidin-4-yl)oxy]benzaldehyde (II). II had Ki = 36 nM for the histamine H3 receptor. I are useful in the treatment of histamine-mediated conditions.
- IT 397275-61-5P, 1-[4-((1-Isopropylpiperidin-4-yl)oxy)phenyl]piperazine  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (drug; preparation of aryloxypiperidines as histamine H3 receptor antagonists)
- RN 397275-61-5 CAPLUS
- CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



L54 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

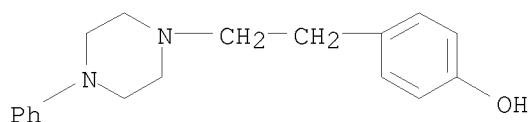
ACCESSION NUMBER: 1960:74740 CAPLUS  
 DOCUMENT NUMBER: 54:74740  
 ORIGINAL REFERENCE NO.: 54:14280b-i,14281a-d  
 TITLE: Phenethyl substituted piperazines  
 INVENTOR(S): Mills, Jack  
 PATENT ASSIGNEE(S): Eli Lilly & Co.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2927924		19600308	US 1958-726027	19580403

GI For diagram(s), see printed CA Issue.  
 AB Three methods were presented for preparation of the title compds. (1) Ethylene oxide (277 g.) was treated with 543 g. homoveratrylamine to form bis( $\beta$ -hydroxyethyl)homoveratrylamine, b0.1 160-80°, n<sub>D</sub>25D 1.5398. This was treated with SOCl<sub>2</sub> to form the  $\beta$ -chloro analog (HCl salt m. 144-6°), which after conversion to the free base was treated with NaNH<sub>2</sub> and PhMe to form 4-phenyl-1-homoveratrylpiperazine-HCl, m. 232-3°. The following R-substituted-1-homoveratrylpiperazine-nHCl were similarly prepared (R, n, and m.p. given): 4-(0-chlorophenyl), 1, 244-5°; 4-(m-chlorophenyl), 1, 199-200°; 4-(0-methoxyphenyl), 2, 225-6° (decomposition); 4-(o-ethoxyphenyl) (hydrate), 1, 194-5°; 4-(m-methoxyphenyl), 2, 195-6°; 4-(o-tolyl), 1, 260-1°; 4-(m-tolyl), 1, 224-5°; 4-(o-ethylphenyl), 2, 205° (decomposition); 4-( $\alpha$ -naphthyl), 1, 275° (decomposition); 4-(2-pyridyl), 2, 225-6 (decomposition); 4-(3-methyl-2-pyridyl), 2, 206-7° (decomposition); 4-(4-methyl-2-pyridyl), 2, 222-3° (decomposition); 4-(6-methyl-2-pyridyl), 2, 125-6° (decomposition). By cleaving the above compds. with HBr, the following 4-(R-substituted)-1-(3,4-dihydroxyphenethyl)piperazine-nHBr were prepared (R, n, and m.p. given): Ph, 1, 266° (decomposition); m-tolyl, 2, 256-7°; o-chlorophenyl, 1, 208-10°; o-tolyl, 2, 229-30°; o-ethylphenyl, 2, 200-1°; 2-pyridyl, 2, 254-5°; 6-methyl-2-pyridyl, 2, 167-9°; 4-methyl-2-pyridyl, 2, 268° (decomposition); 3-methyl-2-pyridyl, 2, 208-10°; o-methoxyphenyl, 1, 208-9°. These dihydroxy compds. were treated with an acid anhydride to make the following CH<sub>2</sub>.CH<sub>2</sub>.NR.CH<sub>2</sub>.CH<sub>2</sub>.N-CH<sub>2</sub>CH<sub>2</sub>C<sub>6</sub>H<sub>3</sub>(OR')<sub>2</sub>-3,4.nHBr (R, R', n, and m.p. given): Ph, EtCO, 1, 186-8°; Py, Ac, 1, 228-9°; o-methoxyphenyl, Ac, 1, 180-2°; o-chlorophenyl, Ac, 1, 225-6°; o-chlorophenyl, EtCO, 1, 182-3°; o-tolyl, EtCO, 1, 185-6°; o-ethylphenyl, Ac, 1, 196-7°; 2-pyridyl, Ac, 1, 200-2°; 6-methyl-2-pyridyl, Ac, 2, 252° (decomposition); 4-methyl-2-pyridyl, Ac, 2, 260-2°; 3-methyl-2-pyridyl, Ac, 2, 234° (decomposition). (2) m-Methoxyphenylacetic acid (25 g.) was treated with SOCl<sub>2</sub> to form the corresponding acid chloride, treated with phenylpiperazine to form 4-phenyl-1-[ $\beta$ -(3-methoxyphenyl)- $\alpha$ -oxoethyl]piperazine, m. 74-5°. This was treated with LiAlH<sub>4</sub> to form 4-phenyl-1-(3-methoxyphenethyl)piperazine; HCl salt m. 203-5°. The following 4-(R-substituted)-1-(substituted-phenethyl)piperazine-nHCl were prepared [R, phenethyl substituent (s), n, m.p. given]: phenyl, 3-methoxy-4-hydroxy(hydrate), 1, 135-6°; (H, Pd used as reducing agents for this and next 3 compds.) o-methoxyphenyl, 3-methoxy-4-hydroxy, 1,

234-5°; m-tolyl, 3-methoxy-4-hydroxy (hydrate), 1, 197-8°; o-methoxyphenyl, 4-amino, 1, 260-1 ° [from N-(o-methoxyphenyl)piperazine and p-nitrophenethyl bromide which formed 4-(o-methoxyphenyl)-1-(4-nitrophenethyl)piperazine; the next 3 were similarly prepared]; m-tolyl, 4-amino, 2, 286-7°; Ph, 4-amino, 2, 273°; o-chlorophenyl, 4-amino, 2, 306° (decomposed). The appropriate acid anhydride was treated with the above compds. to form the following 3,4-R2R3C6H3CH2CH2N.CH2.CH2.NR'.CH2.CH2.nHCl (R1, (R2, R3, n, and m.p. given): Ph, MeO, AcO, 1, 234-5°; Ph, MeO, EtCO2, 1, (hemihydrate) 209-10°; o-methoxyphenyl, MeO, AcO, 2, 225° (decomposition); m-tolyl, MeO, AcO, 1, 209-10°; m-tolyl, MeO, EtCO2, 1, (hemihydrate) 188-9°; o-methoxyphenyl, H, AcNH, 1, 276°; o-methoxyphenyl, H, EtCONH, 1, 225° (decomposition). AcCl was the acetylating agent for the last 2 compds. When 4-(o-methoxyphenyl)-1-(4-acetamidophenethyl)piperazine hydrochloride was neutralized, and reduced, 4-(o-methoxyphenyl)-1-(4-ethylaminophenethyl)piperazine hydrochloride, m. 218-19° (decomposition), was formed. Treatment of 4-(o-methoxyphenyl)-1-(4-aminophenethyl)piperazine with H2CO and PdO formed 4-(o-methoxyphenyl)-1-(4-dimethylaminophenethyl)piperazine-2HCl, m. 256-7°. (3) N-(o-Chlorophenyl)piperazine, n25D 1.5808, b0.5 80-110° (from o-chloroaniline and diethanolamine), and 15 g. 4-methoxyphenethyl bromide were treated to form 4-(o-methoxyphenyl)-1-(4-methoxyphenethyl)piperazine-HCl, m. 216-18° (decomposition). The following 4-(R-substituted)-1-(4-methoxyphenethyl)piperazine-HCl were similarly prepared (R and m.p. given): Ph, 273-4 °; o-chlorophenyl, 247-9°; o-tolyl, 272-3°; m-chlorophenyl, 174-5°; m-tolyl, -[di-HCl salt m. 210° (decomposition)]; 2-pyridyl, -(free base m. 92-4°). The preceding treated with HBr gave the following 4-(R-substituted)-1-(4-hydroxyphenethyl)piperazine-nHBr (R, n, and m.p. given): o-methoxyphenyl, 2, 233-4°; Ph, 1, 259-60°; o-chlorophenyl, 1, 208-9°; o-tolyl, -, 256-7°; m-tolyl, 2, 222-4°; m-chlorophenyl, 1, 204-5°; 2-pyridyl, 2, 250-2°. Also made was 4-phenyl-1-(3-hydroxyphenethyl)piperazine-2-HBr, m. above 275°. When the foregoing were treated with an acid anhydride, the following 4-(R1-substituted)-1[4-(R2-substituted)-phenethyl]piperazine salts resulted (R1, R2, salt, and m.p. given): Ph, AcO, 2HCl, 220-2°; o-methoxyphenyl, EtCO2, HBr, 215-16°; Ph, EtCO2, HBr, 197-8°; o-chlorophenyl, EtCO2, HBr, 223-4°; o-tolyl, AcO, HCl, 259-60°; o-tolyl, EtCO2, HBr, 254-5°; m-tolyl, AcO, HBr, 185-6°; m-tolyl, EtCO2, HBr, 225-6°; 2-pyridyl, AcO, 2HBr, 228-30°. Similarly, 4-phenyl-1-(3-acetoxyphenethyl)piperazine-2HBr, m. 234-5°, and 4-phenyl-1-(3-propionyloxyphenethyl)piperazine-2HCl, m. 198-9°, were prepared

IT 684249-26-1, Phenol, p-[2-(4-phenyl-1-piperazinyl)ethyl]-  
(derivs.)  
RN 684249-26-1 CAPLUS  
CN Phenol, 4-[2-(4-phenyl-1-piperazinyl)ethyl]- (CA INDEX NAME)



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